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REPORT ON THE SEPTEMBER 2019 MCDONOUGH PROPERTY SOIL SAMPLING PROGRAM

MCDONOUGH TOWNSHIP
RED LAKE AREA
ONTARIO, CANADA
NTS
52N/04

Bruce MacLachlan
Timmins, Ontario

February 8th, 2020

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1.0 SUMMARY

A prospecting program was carried out by Bruce MacLachlan and Coleman Robertson on the McDonough property on September 20th and 22nd to resample where prospecting and soil sampling was carried out in May 2019. The work was performed for GoldOn Resources who are the operators of the claims held by EMX Properties (Canada) Inc. A total of sixty-one soil samples were collected during the exploration program. Assays up to 206ppb Au were returned from A horizon soil samples during the current program.

2.0 INTRODUCTION

The objective of the program was to resample where soil sampling was carried out during the spring where many of the samples were deemed insufficient by the Lab.

All the work and sample locations were defined using a handheld Garmin GPS. The measurements were plotted using UTM: NAD 83 in Zone 15 metric coordinates. All foot and truck traverses were collected by GPS, saved as separate files and plotted on the various Figures. A total of sixty-one soils were collected along 4 lines for a total of approximately 1.2km's.

The following report details the results of the soil sampling program along with the recommendations for additional exploration programs.

3.0 CELLS-CLAIMS

The McDonough Property consists of 42 Single-Cell Mining Claims and 27 Boundary-Cell Mining Claims, located in McDonough Township. See Appendix IV.

4.0 LOCATION, ACCESS, AND TOPOGRAPHY

The McDonough property is located approximately 16 km north of the town of Red Lake, Ontario (Figure 1). The McDonough property is accessible by travelling approximately 2km south of the town of Red Lake along Hwy 105, then turning northeast on Hwy 125 for approximately 9 kilometres to the town of Balmertown, from here turning northeast on Nunggessor Road for approximately 17.5km to Pine Ridge Road. From this point, travel to the central portion of the property is accessible by travelling west approximately 13km along Pine Ridge Road, an all-weather logging road, see attached maps.

The topography in the area is comprised of moderately flat-lying ground with gentle - moderate rolling hills. The vegetation is generally comprised of a variety of second growth trees. The result is poor-moderate outcrop exposure except where recent logging has taken place.

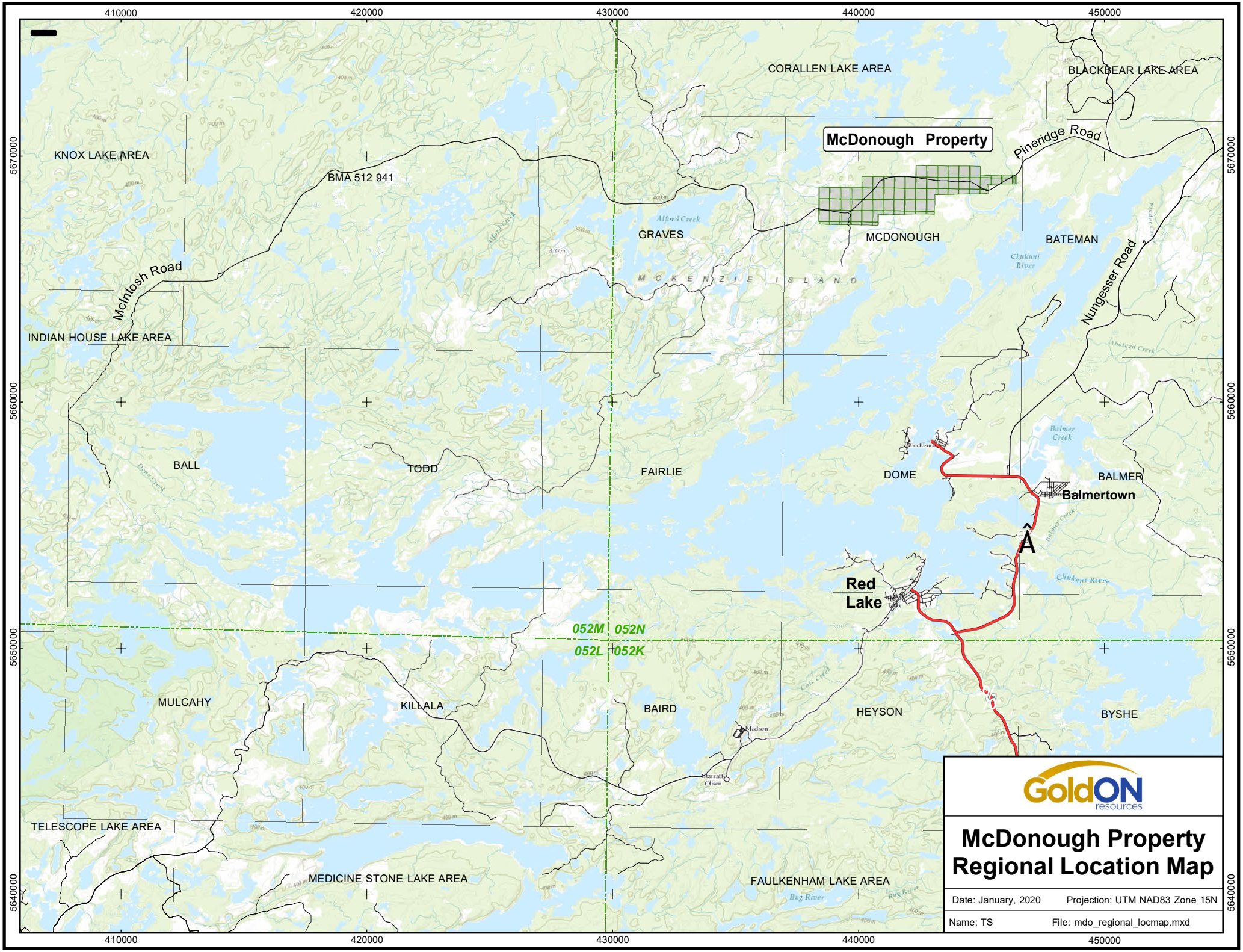
GoldON resources

McDonough Property General Location Map

Date: January, 2020

Name: TS

File: ontloc_mcdo_2020


410000
420000
430000
440000
450000
5670000
5660000
5650000
5640000
CORALLEN LAKE AREA
BLACKBEAR LAKE AREA
KNOX LAKE AREA
BMA 512 941
McDonough Property
Pineridge Road
GRAVES
MCDONOUGH
BATEMAN
MCKENZIE ISLAND
McIntosh Road
Nungesser Road
INDIAN HOUSE LAKE AREA
BALL
TODD
FAIRLIE
DOME
BALMER
Balmertown
Red Lake
052M 052N
052L 052K
MULCAHY
KILLALA
BAIRD
HEYSON
BYSHE
TELESCOPE LAKE AREA
MEDICINE STONE LAKE AREA
FAULKENHAM LAKE AREA
GoldON resources
McDonough Property
Regional Location Map
Date: January, 2020
Projection: UTM NAD83 Zone 15N
Name: TS
File: mdo_regional_locmap.mxd

5.0 GEOLOGY

5.1 Regional Geology

As per Donaldson (1986).

The Red Lake area is underlain by a 60 kilometre by 30 kilometre irregularly shaped area of metavolcanics and minor metasediments surrounded and intruded by diapiric granitoid plutons.

According to Pirie (1981), the belt consists of two predominantly volcanic successions, a lower tholeiitic to komatiitic sequence and an upper calc-alkaline sequence.

The older volcanic sequence has three main types of mafic volcanic flows; tholeiitic basalt, variolitic basalt and komatiites (1980). Felsic pyroclastics with minor flows and metasediments also occur within this sequence.

The sequence of calc-alkalic volcanic rocks is much more complex than the older sequence (Pirie 1980). Substantially different volcanic lithologies are intimately interbedded and interdigitate laterally suggesting contemporaneous extrusions of different composition such as quartz-phyric rhyolite flows, tuffs, lapillistone and breccias intermixed with dacitic to andesitic breccias, lapillistone and flows. Andesitic and basaltic flows are common.

H-Pb dating indicates a prolonged period of volcanic activity evolving from tholeiitic to dominantly calc-alkaline affinity and spanning a time interval of at least 2700 Ma. The supracrustal rocks have been intruded by a variety of felsic to intermediate stocks and dikes, such as the “Howey Diorite” just east of Red Lake and the “Dome Stock”, a granodiorite in the centre of the belt. The emplacement of the Little Vermillion Lake and Hammell Lake batholiths to the north marked the beginning of major felsic plutonism in the belt at 2731 and 2717 Ma respectively and culminated in the emplacement of the Killals-Baird and Trout Lake batholiths at approximately 2700 Ma.

The structural signature of the Red Lake greenstone belt is dominated by the subvertical to vertical attitude of the stratigraphy and the widespread development of a penetrative L-S fabric, the latter accompanied by a variety of related brittle to brittle-ductile features (Hugon and Schwerdtner, 1984, 1985). The regional fabric manifests in pervasive foliation and cleavage development, which in the vicinity of batholith contacts increases in intensity to define 2-3-kilometre-wide strain aureoles of strongly deformed schistose to gneissose supracrustal rocks.

Foliation trajectories obtained from the foliation data available at the belt scale demonstrate that large- and small-scale conjugate transcurrent shear zones developed within the supracrustal material of the belt. These sets of shear zones form discrete linear zones of high strain (deformation zones) superimposed on the regional foliation trends.

These deformation zones occur at the interface between the older and younger volcanic piles.

The combined structural evidence indicates that formation of the regional foliations and conjugate system of deformation zones was broadly synchronous and temporally related to the diapiric emplacement of the surrounding batholiths (Hugon and Schwerdtner, 1984).

Past and present-producing mines in the Red Lake area occur in zones of highly altered rock near the stratigraphic top of the lower tholeiitic sequence. A few past producers located within the Dome stock and related McKenzie stocks represent the only exceptions.

The major gold deposits of the area and the highly altered rocks associated with them are spatially related to large, heterogenous shear systems (deformation zones) which cut across the volcanic sequences on a regional scale.

Studies in the Campbell and Dickenson mines indicate that gold mineralization was broadly synchronous with the peak of thermal metamorphism, but post-dated much of the carbonate alteration and occurred late in the history of shear deformation. The combined evidence indicates that contact thermal metamorphism, shear deformation and intense hydrothermal alteration attending gold mineralization were broadly coeval and directly linked to the process of batholith emplacement.

5.2 Property Geology

As per Donaldson (1986), modified according to the current property which is smaller.

The McDonough property is underlain by a sequence of metavolcanic flows and tuffs, and clastic and chemical metasediments. These units occur in a southwest striking, steeply north dipping sequence. There have been several localized intrusions of a hornblende porphyritic quartz diorite, in both the clastic metasediments and intermediate metavolcanic units. Deformation has produced a weak foliation in the metavolcanic and metasedimentary rocks.

Intermediate, fine-to-medium-grained tuff, with minor lapilli-tuff occurs across the top half of the property.

Clastic metasedimentary rocks comprise the bulk of the outcrops. The main units are polymictic conglomerates, arkoses, quartzose arenites, wackes and biotitic schists. The conglomerate clast size ranges from 0.5cm to over 15cm. The arkoses and quartzose arenites have been recrystallized, and are fine-to-medium-grained. The wackes are very fine grained and dark grey in colour.

Porphyritic leucogabbro can be observed in outcrop in the northwest of the property, has historically yielded low platinum and palladium anomalies, and has been intersected in historical diamond drill hole NMD-10.

6.0 EXPLORATION HISTORY

Exploration history up to 1984 is copied or summarized from Donaldson (1986). Exploration history following that is summarized from that report or others as cited.

The earliest exploration work appears to have been some prospecting on the southeastern shore of Tomato Lake (Horwood, 1940). Between **1944** and **1946**, some trenching and prospecting was done in the same area by C. Harvey.

1946: Dante Red Lake Gold Mines Ltd. conducted a magnetometer survey west of Tomato Lake over an area which includes four of the Greater Temagami claims. Several magnetic anomalies were defined including one on claim 865596. The extent of the company's follow up work is unknown.

1965: The Canadian Nickel Company Ltd. completed airborne and ground geophysical surveys over 6 claims in the southeastern section. Follow up work involved 2 diamond drill holes totalling 115 metres. Two bands of iron formation, a metasedimentary unit and a mafic volcanic unit were intersected. No assays were reported, but drill logs indicate that the core was only assayed for copper and nickel.

1966: The same area as previous was prospected by Cochenour Explorations Limited. No economic values for base or precious metals were reported.

1977: Pirie and Sawitzky mapped McDonough Township for the Ontario Geological Survey at a scale of 1:12000. The following year, an Ontario Geological Survey input E.M. and magnetometer airborne survey outlined a series of northeast striking anomalies in the mafic unit. Drilling in the immediate area by Dome Exploration Limited, in **1984**, determined that the basalt is magnetite-rich, with several interbands of sulfide-facies iron formation. Gold assays of the iron formation of 686 ppb (0.02 ounce per ton) were reported for 6 separate intervals, the longest over 1.22 metres. Other auriferous units included a siltstone and a mafic flow unit. The drilling consisted of three holes on a block of claims still held by Dome within the southeast section of the Greater Temagami claim block.

1980, Asarco conducted an E.M. and magnetometer survey in the northeastern corner of the property. Encouraging results were not obtained.

1986: A block of 133 claims in McDonough Township was staked in the spring of 1986 for the Greater Temagami Mining Company to explore for gold mineralization. Between August 27th and August 30th, 1986, an airborne E.M. and magnetometer survey was conducted by DIGHEM Surveys and Processing Inc. C.D.I. Surveys of Val D'or, Quebec carried out a program of line cutting and follow-up geophysical surveys (ground magnetometer and max-min) in October and November of 1986. In the fall of 1986, most of the property was also grid-mapped and soil-sampled (B-horizon). Noramco Explorations Inc. employed geologists William Donaldson and Eugene Flood to map, sample and interpret all information on the property. They concluded that no mineralization was observed, but one isolated gold value of 1310 ppb Au was obtained. They identified four

areas of interest for follow-up: a quartz diorite intrusion, a conductive stratabound horizon in a mafic flow unit, a fuchsite-chert-wacke-mafic flow sequence, and a sulphide-bearing conglomerate horizon (Donaldson 1986).

1987: Continued work was carried out on the McDonough Project, a joint venture program between Greater Temagami Mining Company and Pure Gold Resources Limited, with Noramco Explorations acting as project operator for Pure Gold Resources Limited. 46 claims were added to the previous 133 claims in January of 1987 for a total of 179 claims. 57 line-kilometers were cut by Patterson Mining Geophysics between August 8th and August 20th, 1987 to cover the SE and SW extensions to the property, and Patterson also carried out ground magnetometer and EM (max-min) surveys between August 15th and August 20th of the same year. Geological mapping was carried out on the 1986 grid where work had been cut short the previous winter, and on the 1987 grids. Esker Logging of Red Lake Ontario carried out a stripping program using a D-6 bulldozer on several areas across the property, and thirteen diamond drill holes (NMD-10 to NMD-22) totalling 2140 meters were drilled between August 14th and October 9th, 1987 by N. Morissette Canada Inc. The highest assays from this drill program were 3898 ppb Au over 1.5m from hole NMD87-16, associated with a 10cm quartz vein with pyrite, and 1195 ppb Au over 1.4m from hole NMD87-11, associated with a small quartz vein in pyritic metasediments (only the latter hole is on the current GoldOn property, along with NMD87-10 and NMD87-20) (Mandziuk 1988).

Nine diamond drill holes (NMD87-01 to NMD87-09) were also drilled on the property in 1987 (prior to NMD87-10 to NMD87-22). Only NMD87-09 was on the current GoldOn property and intersected a 2.1m wide quartz vein in biotite hornblende granodiorite that contained up to 2.7 oz/ton silver. Detailed assays are not reported in the drill logs (Donaldson 1987).

2003-2004: Ground Magnetic and VLF-EM surveys were carried out on the Corallen property immediately northwest of the current McDonough property for Red Lake Resources Inc. and Grandcru Resources Corp. The surveys were carried out on a grid southeast of Little Vermillion Lake. The magnetic survey identified a possible structure and/or intrusive and/or alteration zone. The VLF survey identified 19 conductors that could be due to bedrock features such as sulphides or structures related to potential gold mineralization. Geological mapping and prospecting, as well as a soil survey were recommended for future work (Bowdidge 2004).

2002: A till sampling program was carried out on the Tomato Lake property immediately south of the current McDonough property for Skyharbour Resources Ltd. between July 1st and July 15th. Results returned low gold grain counts (Busch 2004).

2004: An overburden drilling program was carried out on the Tomato Lake property immediately south of the current McDonough property for Skyharbour Resources Ltd. between March 12th and March 21st. Drilling identified two sites (TL-63 and TL-65) with anomalous gold values of 240ppb and 90 ppb, and may indicate a bedrock source of gold in the northeast quarter of former mining claim KRL 1185149 (Busch 2004).

2019: A prospecting and soil sampling program was carried out on the McDonough Property by GoldON Resources Ltd. in May 2019. Prospecting and soil sampling was carried out at various locations across the McDonough Property. A total of twenty-seven rocks samples and fifty-nine soil samples were collected during the program. Results from the program include up to 21ppb Au from rock grab samples and up to 45ppb Au from soil samples. Many of the soil samples were deemed insufficient weight and therefore could not be analysed.

7.0 WORK PROGRAM DESCRIPTION

The program consisted of two days of soil sampling on the McDonough Property. The soil sampling program was carried out concurrently with two other GoldON Projects in the Red Lake area.

Sixty-one soil samples (41 A and 20 B-horizon) soil samples (see Table 1) were collected at the same locations where soil sampling was carried out during May 2019. The samples were taken from claims 102571, 124438, 214446, 195914, 269884, 309233, 327339, and 159342.

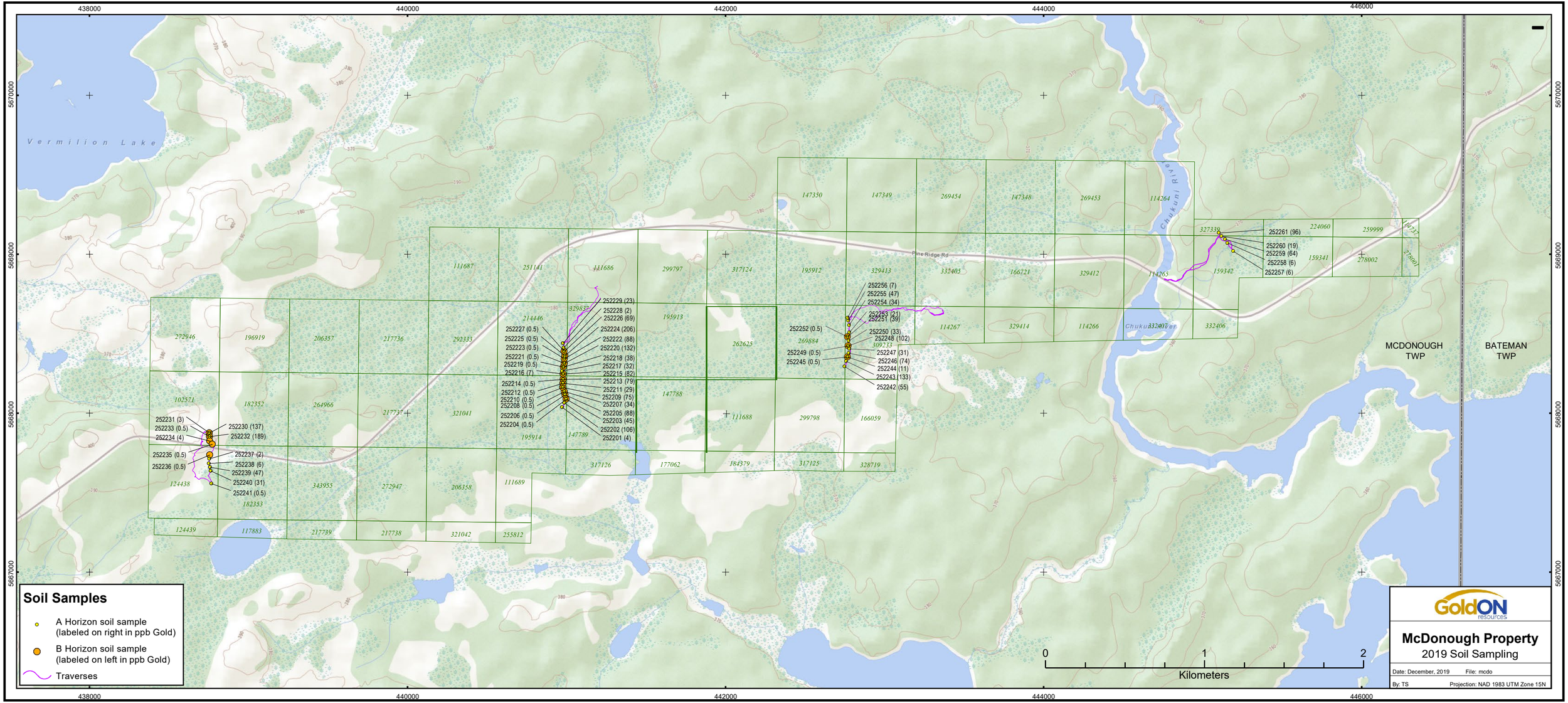
All samples were photographed in the field and each sample site was flagged and labeled.

The work program was based out of Gullrock Lake Lodge, located on the west shore of Gullrock Lake. Travel to the work areas was carried out by truck.

All 61 soil samples collected were dropped off at SGS Laboratories in Red Lake and sent to Burnaby B.C from there. Soil analysis by GE_FAI30V% & GE_ARMV25.

Table 1 (Appendix I) provides a l ist of the September 2019 soil sample numbers (00252201 to 00252261). The soil assay Certificate of Analysis from SGS Laboratories are presented in Appendix II and the table below displays the number of soil samples collected on each claim.

Cell No.	Soil Samples Collected per Cell
102571	6
124438	6
214446	15
195914	14
269884	1
309233	14
327339	2
159342	3
Total	**61**


438000
440000
442000
444000
446000
5670000
5669000
5668000
5667000
Vermilion Lake
Chukuni River
Pine Ridge Rd
MCDONOUGH TWP
BATEMAN TWP
252231 (3)
252233 (0.5)
252234 (4)
252230 (137)
252232 (189)
252235 (0.5)
252236 (0.5)
252237 (2)
252238 (6)
252239 (47)
252240 (31)
252241 (0.5)
252229 (23)
252228 (2)
252226 (69)
252227 (0.5)
252225 (0.5)
252224 (206)
252223 (0.5)
252222 (88)
252221 (0.5)
252220 (132)
252219 (0.5)
252218 (38)
252216 (7)
252217 (32)
252215 (82)
252214 (0.5)
252213 (79)
252212 (0.5)
252211 (29)
252210 (0.5)
252209 (75)
252208 (0.5)
252207 (34)
252206 (0.5)
252205 (88)
252204 (0.5)
252203 (45)
252202 (106)
252201 (4)
252256 (7)
252255 (47)
252254 (34)
252253 (6)
252251 (39)
252252 (0.5)
252250 (33)
252248 (102)
252249 (0.5)
252247 (31)
252245 (0.5)
252246 (74)
252244 (11)
252243 (133)
252242 (55)
252261 (96)
252260 (19)
252259 (64)
252258 (6)
252257 (6)
Soil Samples
A Horizon soil sample (labeled on right in ppb Gold)
B Horizon soil sample (labeled on left in ppb Gold)
Traverses
0
1
2
Kilometers
GoldON resources
McDonough Property
2019 Soil Sampling
Date: December, 2019
File: mcdo
By: TS
Projection: NAD 1983 UTM Zone 15N

8.0 RESULTS and CONCLUSIONS

The main objective of the current program was to resample where soil sampling in the spring of 2019 returned many insufficient sample weights from the lab.

-Twenty-nine soil samples (00252201-00252229) were taken in the western half of the property where there appears to be a disruption in an E-W magnetic high. 17 A-horizon and 12 B-horizon samples were taken at 17 stations at 25-meter spacing over 400 meters in a N-S line. Samples were analyzed for both precious metals and PGEs due to the possibility that the magnetic feature could be at least partly explained by a mafic intrusive similar to what was observed in the western claims of the property. Sample 00252224 returned the highest Au grade of **206 ppb** from A horizon. Sample 00252229 returned the only anomalous Pt value of **20ppb** from the current survey.

The remaining A horizon soil samples collected along this line returned between **2ppb Au** and **132ppb Au** and averaged **67ppb Au**. B horizon soils were also collected where possible at the same sample station as the A horizon. B horizon soil sample 00252216 returned **7ppb Au**, the remaining 11 B horizon soil samples returned **<1ppb Au** and overall samples averaged **1ppb Au**. Soil sampling along the same line during the spring returned up to **45ppb Au** (sample 00251073) which is located at the same sample site as sample 00252226 which returned **69ppb Au** from the current survey. A horizon also returned up to **10.1ppm Co**, **31.6ppm Cu**, **17.9ppm Mo**, **726ppm Mn**, **28.4ppm Ni**, **48.7ppm Pb** & **53ppm Zn**. B horizon also returned up to **8.7ppm Pb**. Sample 00252201 returned many anomalous elements $\geq 95^{th}$ percentile (of 41 samples) from A horizon soil.

-Fifteen soil samples (00252242-0025256) were taken in the eastern half of the property where there appears to be another disruption in the same E-W magnetic high as previous. 12 A-horizon and 3 B-horizon samples were taken at 12 stations at 25-meter spacing over 300 meters in a N-S line. Samples were analyzed for both precious metals and PGEs due to the possibility that the magnetic feature could be at least partly explained by a mafic intrusive similar to what was observed in the western claims of the property. Sample 00252243 returned the highest Au grade of **133ppb** from A horizon and averaged **49ppb Au**.

The remaining 11 A horizon soil samples returned between **7** and **102ppb Au**. Three B horizon soil samples were also collected along this line, all three returned **<1ppb Au**. Humus also returned up to **9.4ppm Co**, **730ppm Mn** & **44ppm Zn**. B horizon also returned up to **6.4ppm Co**, **148ppm Mn**, **13ppm Ni** & **34ppm Zn**. Sample 00252245 returned many anomalous elements $\geq 95^{th}$ percentile (of 20 samples) from B horizon soil.

-Twelve soil samples (00252230-00252241) were taken in the western claims where historical diamond drill hole NMD87-10 was drilled and intersected a couple hundred meters of silicified and mineralized gabbro. 7 A-horizon and 5 B-horizon samples were collected at 10 stations at 25-meter spacing over 325 meters in a N-S line, north and south of Pine Ridge Road (with a gap at the road). The purpose was to test for Au and PGE

anomalies. Sample 00252232 returned the highest Au grade of **189ppb** from A horizon and A horizon samples averaged **59ppb Au**.

Five of the remaining A horizon soil samples returned between **2** and **137ppb Au**, sample 00252241 located at the south end of the line returned **<1ppb Au**. Sample 00252234 returned the highest Au grade of **4ppb** from B horizon and B horizon samples averaged **2ppb Au**. Sample 00252231 returned **3ppb Au** from B horizon and the remaining 3 B horizon soils returned **<1ppb Au**. A horizon also returned up to **7.9ppm Co**, **27.4ppm Cu, 7.7ppm Mo**, **13ppm Ni** & **30.2ppm Pb**. B horizon also returned up to **5.9ppm Co**, **15.6ppm Cu**, **4.5ppm Mo** & **8.6ppm Pb**. Samples 00252231 & 00252236 returned many anomalous elements ≥ 95th percentile (of 20 samples) from B horizon soil.

-Five A-horizon soil samples (00252257-00252261) were taken in the eastern part of the property over a northeast-trending lineament, in the general vicinity of historical Au soil anomalies. Samples were taken at 5 stations at 25-meter spacing (ended up being more like 30) over 150 meters in a NW-SE line. Sample 00252261 returned the highest Au grade of **96ppb** from A horizon and was located at the north end of the line. The remaining four A horizon soil samples returned between **6** and **64ppb Au** and averaged **38ppb Au**. No B horizon soils were collected along this line. A horizon also returned up to **288ppm Mn**, **11.6ppm Ni** & **44ppm Zn**.

-The September 2019 soil sampling program identified several areas of anomalous Au, up to **206ppb Au**. Each of the four soil lines returned anomalous Au but particularly those lines which were designed to test north-south disruptions of an east-west trending magnetic high feature. 37 of the 61 soil samples returned grades up to **3ppb Pd**, the remaining 24 samples returned **<1ppb Pd**.

-While carrying out the current soil sampling program, logging was actively taking place in the southwestern portion of the property where quartz-diorite was observed in May 2019. All new areas of logging should be prospected to look for any new outcrop exposures and or any altered angular boulders.

9.0 RECOMMENDATIONS

- Conduct a high-resolution magnetic survey across the property to better define areas of magnetic disruption and to help better understand the underlying stratigraphy.

- Conduct a more extensive A horizon soil survey in proximity to the current soil samples.

- Carry out additional prospecting in areas of new logging.

11.0 PERSONNEL

The following is a list of persons that carried out the soil sampling program on the McDonough Property:

Bruce MacLachlan (Supervisor) 222 Emerald Street, Timmins, Ontario, P4R 1N3 (Field work, 2 days) (1-day report preparation)	3 Days
Coleman Robertson 815a Maitland Ave. Ottawa, Ontario K2A 2S2 (Field work, 2 days)	2 Days
Total Days	**5**

12.0 STATEMENT of QUALIFICATIONS

I, Bruce A. MacLachlan, of the City of Timmins, Province of Ontario do hereby certify that:

1. I am a geological technician and prospector residing at: 222 Emerald Street, Timmins, Ontario, P4R IN3.

2. I have continuously practised my profession for over 35 years. I have prepared reports, conducted, supervised and managed exploration programs for several major and junior mining companies including Noranda Exploration Company Limited, CanAlaska Uranium Ltd and Noront Resources Ltd., Bold Ventures Inc. and Canadian Orebodies Inc.

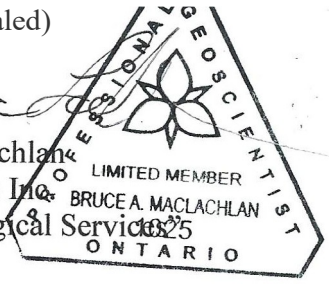
4. As author of this report and supervisor of the work program, I am familiar with the material covered in the report.

5. I have no direct or indirect interest in the McDonough Property.

6. Permission is granted for use of this report, in whole or in part, for assessment and qualification requirements.

DATED at Timmins, Ontari9, this 8th day of February 2020.

"Bruce A. MacLachlan" P. Geo (Limited) APGO No. 1025
(Signed and Sealed)



Bruce A. Mac achlan
2099840 Onta io Inc.
Emerald Geological Service

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APPENDIX I

Soil Sample Descriptions (Table 1)

Legend of abbreviations	
N	North
NNE	North-northeast
NE	Northeast
ENE	East-northeast
E	East
ESE	East-southeast
SE	Southeast
SSE	South-southeast
S	South
SSW	South-southwest
SW	Southwest
WSW	West-southwest
W	West
WNW	West-northwest
NW	Northwest
NNW	North-northwest
Mag	Magnetic
Veg	Vegetation
Seds	Sediments
Jul	July
Sep	September

McDonough Property Soil Sample Descriptions Table 1

Sample	Date	Area	Easting	Northing	Elevation	Type	Depth (cm)	Ground level	Ground wetness	Ground inclination	Direction	Colour	Veg1	Veg2	Tree1	Tree2	Tree3	Subjective quality	Vegetation in soil	Rocks in soil	Clay in soil	Photo	Comments	Au_ppb	Au ICP_ppb
252201	20-Sep-19	W Mag Disruption	440973	5668037	383	A	10	Low	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam	Birch	9				N		4	7
252202	20-Sep-19	W Mag Disruption	440987	5668064	382	A	10	Low	Damp	Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam		6				NE	A horizon to bedrock.	106	65
252203	20-Sep-19	W Mag Disruption	440998	5668088	384	A	15	Low	Damp	Slight rise to	NW	Dark brown	Moss	Labrador Tea	Spruce	Balsam		4	A lot			E		45	21
252204	20-Sep-19	W Mag Disruption	440998	5668088	384	B	20	Low	Damp	Slight rise to	NW	Tan	Moss	Labrador Tea	Spruce	Balsam		2			A lot	E		0.5	0.5
252205	20-Sep-19	W Mag Disruption	440992	5668115	384	A	5	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			1	A lot			S	Basically roots.	88	50
252206	20-Sep-19	W Mag Disruption	440992	5668115	384	B	15	Moderate		Flat		Tan-rusty brown	Moss	Labrador Tea	Spruce			7		Some		S	Rusty arkose seds in hole.	0.5	0.5
252207	20-Sep-19	W Mag Disruption	440987	5668136	384	A	5	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			5	Quite a bit			E		34	10
252208	20-Sep-19	W Mag Disruption	440987	5668136	384	B	15	Moderate		Flat		Tan-rusty brown	Moss	Labrador Tea	Spruce			7			Quite a bit	E		0.5	0.5
252209	20-Sep-19	W Mag Disruption	440977	5668161	383	A	2 to 3	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			5	Quite a bit			NE		75	32
252210	20-Sep-19	W Mag Disruption	440977	5668161	383	B	10	Moderate		Flat		Rusty brown	Moss	Labrador Tea	Spruce			8				NE		0.5	0.5
252211	20-Sep-19	W Mag Disruption	440978	5668188	386	A	10	Low	Damp	Flat		Dark brown	Moss	Labrador Tea	Spruce			9				SE		29	13
252212	20-Sep-19	W Mag Disruption	440978	5668188	386	B	15	Low	Damp	Flat		Tan	Moss	Labrador Tea	Spruce			6			Some	SE		0.5	0.5
252213	20-Sep-19	W Mag Disruption	440980	5668212	385	A	2 to 3	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			4	Quite a bit			N		79	32
252214	20-Sep-19	W Mag Disruption	440980	5668212	385	B	10	Moderate		Flat		Rusty brown	Moss	Labrador Tea	Spruce			9				N		0.5	0.5
252215	20-Sep-19	W Mag Disruption	440979	5668246	376	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			6				SW	Outcrop to S.	82	34
252216	20-Sep-19	W Mag Disruption	440979	5668246	376	B	20	Moderate		Flat		Rusty brown	Moss	Labrador Tea	Spruce			9				SW		7	0.5
252217	20-Sep-19	W Mag Disruption	440972	5668265	380	A	20	Moderate	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce			10				N		32	10
252218	20-Sep-19	W Mag Disruption	440981	5668290	381	A	10 to 15	Moderate	Damp	Flat		Dark brown	Moss	Labrador Tea	Spruce			5	Quite a bit			N		38	20
252219	20-Sep-19	W Mag Disruption	440981	5668290	381	B	15	Moderate	Damp	Flat		Dark brown	Moss	Labrador Tea	Spruce			8				N	B horizon sitting on bedrock.	0.5	0.5
252220	20-Sep-19	W Mag Disruption	440987	5668312	384	A	2 to 3	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			3	Quite a bit			E	1cm thick layer.	132	92
252221	20-Sep-19	W Mag Disruption	440987	5668312	384	B	10	Moderate		Flat		Rusty brown	Moss	Labrador Tea	Spruce			9				E		0.5	0.5
252222	20-Sep-19	W Mag Disruption	440987	5668342	388	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam		4				N		88	14
252223	20-Sep-19	W Mag Disruption	440987	5668342	388	B	15	Moderate		Flat		Bright rusty brown	Moss	Labrador Tea	Spruce	Balsam		10		Some		N		0.5	0.5
252224	20-Sep-19	W Mag Disruption	440990	5668361	384	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			4	Quite a bit			S		206	102
252225	20-Sep-19	W Mag Disruption	440990	5668361	384	B	15	Moderate		Flat		Bright rusty brown	Moss	Labrador Tea	Spruce			9		Some		S	Rusty arkose seds with pyrite in hole.	0.5	0.5
252226	20-Sep-19	W Mag Disruption	440985	5668388	383	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			4	Quite a bit			NW		69	30
252227	20-Sep-19	W Mag Disruption	440985	5668388	383	B	15	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			9				NW		0.5	0.5
252228	20-Sep-19	W Mag Disruption	440982	5668412	379	A	20	Low	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce			10				S		2	0.5
252229	20-Sep-19	W Mag Disruption	440978	5668439	381	A	15	Low	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce			9				NE		23	11
252230	22-Sep-19	W Claims	438755	5667874	389	A	10	High	Damp	Rise to	W	Dark brown	Moss	Labrador Tea	Spruce	Balsam	Birch	4	A lot			S		137	103
252231	22-Sep-19	W Claims	438755	5667874	389	B	15	High	Damp	Rise to	W	Dark brown	Moss	Labrador Tea	Spruce	Balsam	Birch	9				S		3	0.5
252232	22-Sep-19	W Claims	438756	5667851	400	A	10	High		Slight downslope to	NE	Dark brown	Moss	Labrador Tea	Spruce	Birch		3				SW		189	141
252233	22-Sep-19	W Claims	438756	5667851	400	B	15	High		Slight downslope to	NE	Medium brown	Moss	Labrador Tea	Spruce	Birch		4		Moderate Amount		SW	Sandy and gravelly.	0.5	0.5
252234	22-Sep-19	W Claims	438758	5667823	392	B	10	High		Flat		Medium brown	Moss	Labrador Tea	Spruce			6				W	Very thin, veg-rich A, soil not far from bedrock.	4	3
252235	22-Sep-19	W Claims	438774	5667803	392	B	2	High		Flat		Tan	Moss	Labrador Tea	Spruce			5				N		0.5	2
252236	22-Sep-19	W Claims	438758	5667737	394	B	2 to 3	Moderate		Flat		Tan	Moss		Spruce	Balsam	Alder	4				S	Minor rust, sandy.	0.5	0.5
252237	22-Sep-19	W Claims	438755	5667712	390	A	5	Low		Flat		Dark brown	Moss		Spruce	Balsam	Alder	2	A lot			SW		2	1
252238	22-Sep-19	W Claims	438752	5667683	389	A	5	Low		Flat		Dark brown	Moss		Spruce	Balsam		4				S		6	3
252239	22-Sep-19	W Claims	438759	5667659	391	A	20	Low	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce			8				SE		47	32
252240	22-Sep-19	W Claims	438763	5667636	392	A	10	Low	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce	Alder		3	A lot			S		31	24
252241	22-Sep-19	W Claims	438768	5667556	384	A	10	Low	Damp	Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam	Alder	8				W		0.5	7
252242	22-Sep-19	E Mag Disruption	442750	5668293	379	A	10	Low		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam	Tamarack	8				NE		55	42
252243	22-Sep-19	E Mag Disruption	442760	5668325	378	A	10	Low		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam	Tamarack	7	Some			S	Thin layer.	133	79
252244	22-Sep-19	E Mag Disruption	442769	5668352	376	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam		6	Some			NE		11	6
252245	23-Sep-19	E Mag Disruption	442769	5668352	376	B	15	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam		8	Some			NE		0.5	0.5
252246	22-Sep-19	E Mag Disruption	442776	5668377	379	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam		5	Some			N		74	34
252247	22-Sep-19	E Mag Disruption	442781	5668402	379	A	10	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			7	Some			N		31	12
252248	22-Sep-19	E Mag Disruption	442774	5668421	378	A	5	Moderate		Slight downslope to	N	Dark brown	Moss	Labrador Tea	Spruce			4	Quite a bit			E		102	IS
252249	22-Sep-19	E Mag Disruption	442774	5668421	378	B	10	Moderate		Slight downslope to	N	Medium brown	Moss	Labrador Tea	Spruce			7				E		0.5	0.5
252250	22-Sep-19	E Mag Disruption	442776	5668453	378	A	15	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			5	Some			NW		33	21
252251	22-Sep-19	E Mag Disruption	442769	5668478	384	A	10					Dark brown	Moss	Labrador Tea	Spruce			4	Quite a bit			SW		39	16
252252	22-Sep-19	E Mag Disruption	442769	5668478	384	B	15	Moderate		Flat		Tan-brown	Moss	Labrador Tea	Spruce			4			Quite a bit	SW		0.5	0.5
252253	22-Sep-19	E Mag Disruption	442781	5668505	381	A	15	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			5	Some			NE		21	9
252254	22-Sep-19	E Mag Disruption	442780	5668551	382	A	15	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce			2	A lot			SW		34	17
252255	22-Sep-19	E Mag Disruption	442774	5668579	381	A	15	Moderate		Slight rise to	S	Dark brown	Moss	Labrador Tea	Spruce			6	Some			W		47	26
252256	22-Sep-19	E Mag Disruption	442769	5668597	380	A	15	Moderate		Flat		Dark brown	Moss	Labrador Tea	Spruce	Balsam		6	Some			E		7	2
252257	22-Sep-19	E Claims	445193	5669018	365	A	15	Low		Flat		Dark brown	Moss	Labrador Tea	Spruce			1	A lot			N		6	4
252258	22-Sep-19	E Claims	445157	5669070	364	A	10	Low	Wet	Flat		Dark brown	Moss	Labrador Tea	Spruce	Alder		9				E	Edge of logged area. Took in different place, coordinates 445178, 5669069.	6	5
252259	22-Sep-19	E Claims	445143	5669093	365	A	<1	Moderate		Slight rise to	N	Dark brown	Moss	Labrador Tea	Spruce	Poplar		2	A lot			N	Basically on surface.	64	47
252260	22-Sep-19	E Claims	445121	5669113	365	A	<1	Moderate		Slight rise to	N	Dark brown	Moss	Labrador Tea	Spruce	Poplar		2	A lot			N	Basically on surface.	19	8
252261	22-Sep-19	E Claims	445105	5669133	367	A	<1	High		On slope facing	NW	Dark brown	Moss	Labrador Tea	Spruce	Poplar		2	A lot			N	Basically on surface.	96	38

APPENDIX II

Soil Assay Certificates (SGS Labs)

ANALYSIS REPORT BBM19-01531

To COD SGS MINERALS - GEOCHEM VANCOUVER
GOLDON RESOURCES- BRUCE MACLACHLAN
SGS CANADA INC
3260 PRODUCTION WAY
BURNABY V5A 4W4
BC
CANADA

Order Number	PO:	Date Received	31-Oct-2019
Project	GOLDON RESOURCES	Date Analysed	01-Nov-2019 - 12-Dec-2019
Submission Number	GoldON-1/ 61 Soil	Date Completed	06-Dec-2019
Number of Samples	61	SGS Order Number	BBM19-01531

Methods Summary

Number of Sample	Method Code	Description
61	G_LOG	Sample Registration Fee
61	G_WGH_KG	Weight of samples received
61	GE_FAI30V5	Au, Pt, Pd, FAS, exploration grade, ICP-AES, 30g-5mL
61	GE_ARMV25	2 Acid (HCL/HNO3), ICP-MS, 25g-250ml

Comments

This Report cancels and supersedes the Report No. BBM_U0001513069 dated 9-Dec-2019 issued by SGS Canada (Production Way).

Update to GE_ARMV25 in CSV file.

Authorised Signatory

John Chiang
Laboratory Operations Manager

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Wtkg	@Au	@Pt	@Pd	Au	Ag
Method	G_WGH_KG	GE_FAI30V5	GE_FAI30V5	GE_FAI30V5	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	1	10	1	1	0.02
Upper Limit	--	10,000	10,000	10,000	500	100
Unit	kg	ppb	ppb	ppb	ppb	ppm m / m
00252201	0.20	4	<10	<1	7	0.14
00252202	0.10	106	<10	2	65	0.03
00252203	0.11	45	<10	3	21	0.06
00252204	0.34	<1	<10	<1	<1	<0.02
00252205	0.09	88	<10	2	50	0.06
00252206	0.42	<1	<10	<1	<1	<0.02
00252207	0.13	34	<10	1	10	0.05
00252208	0.38	<1	<10	<1	<1	<0.02
00252209	0.14	75	<10	2	32	0.09
00252210	0.35	<1	<10	<1	<1	<0.02
00252211	0.17	29	<10	2	13	0.03
00252212	0.37	<1	<10	<1	<1	<0.02
00252213	0.11	79	<10	1	32	0.06
00252214	0.37	<1	<10	<1	<1	<0.02
00252215	0.10	82	<10	1	34	<0.02
00252216	0.34	7	<10	<1	<1	<0.02
00252217	0.11	32	<10	1	10	0.05
00252218	0.11	38	<10	2	20	0.04
00252219	0.30	<1	<10	<1	<1	<0.02
00252220	0.13	132	<10	1	92	0.04
00252221	0.37	<1	<10	<1	<1	<0.02
00252222	0.13	88	<10	<1	14	0.03
00252223	0.38	<1	<10	<1	<1	<0.02
00252224	0.09	206	<10	2	102	0.02
00252225	0.35	<1	<10	<1	<1	<0.02
00252226	0.15	69	<10	2	30	<0.02
00252227	0.33	<1	<10	<1	<1	<0.02
00252228	0.13	2	<10	3	<1	0.04
00252229	0.08	23	20	3	11	0.03

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Wtkg	@Au	@Pt	@Pd	Au	Ag
Method	G_WGH_KG	GE_FAI30V5	GE_FAI30V5	GE_FAI30V5	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	1	10	1	1	0.02
Upper Limit	--	10,000	10,000	10,000	500	100
Unit	kg	ppb	ppb	ppb	ppb	ppm m / m
00252230	0.14	137	<10	2	103	0.03
00252231	0.32	3	<10	<1	<1	<0.02
00252232	0.10	189	<10	2	141	0.02
00252233	0.36	<1	<10	<1	<1	<0.02
00252234	0.20	4	<10	<1	3	<0.02
00252235	0.36	<1	<10	2	2	<0.02
00252236	1.48	<1	<10	<1	<1	<0.02
00252237	0.13	2	<10	2	1	0.06
00252238	0.10	6	<10	1	3	0.09
00252239	0.08	47	<10	1	32	0.06
00252240	0.07	31	<10	2	24	0.04
00252241	0.12	<1	<10	1	7	0.08
00252242	0.11	55	<10	<1	42	0.22
00252243	0.12	133	<10	2	79	0.28
00252244	0.13	11	<10	2	6	0.05
00252245	0.26	<1	<10	1	<1	0.03
00252246	0.10	74	<10	1	34	0.05
00252247	0.14	31	<10	<1	12	0.05
00252248	0.11	102	<10	2	I.S.	I.S.
00252249	0.41	<1	<10	<1	<1	<0.02
00252250	0.07	33	<10	2	21	0.26
00252251	0.09	39	<10	2	16	0.05
00252252	0.31	<1	<10	<1	<1	0.02
00252253	0.09	21	<10	3	9	0.08
00252254	0.09	34	<10	2	17	0.04
00252255	0.09	47	<10	2	26	0.05
00252256	0.10	7	<10	<1	2	0.07
00252257	0.08	6	<10	2	4	0.05
00252258	0.20	6	<10	2	5	0.28

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Wtkg	@Au	@Pt	@Pd	Au	Ag
Method	G_WGH_KG	GE_FAI30V5	GE_FAI30V5	GE_FAI30V5	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	1	10	1	1	0.02
Upper Limit	--	10,000	10,000	10,000	500	100
Unit	kg	ppb	ppb	ppb	ppb	ppm m / m
00252259	0.12	64	<10	<1	47	0.50
00252260	0.16	19	<10	2	8	0.16
00252261	0.14	96	<10	1	38	0.28
*Blk BLANK	-	-	-	-	<1	<0.02
*Rep 00252245	-	-	-	-	<1	0.04
*Std OREAS 263	-	-	-	-	178	0.35
*Std OREAS 905	-	-	-	-	386	0.45
*Std OREAS 263	-	-	-	-	171	0.27
*Rep 00252219	-	-	-	-	<1	<0.02
*Blk BLANK	-	-	-	-	<1	<0.02
*Rep 00252215	-	79	<10	2	-	-
*Blk BLANK	-	<1	<10	<1	-	-
*Rep 00252225	-	<1	<10	<1	-	-
*Rep 00252248	-	100	<10	2	-	-
*Std PGMS-27	-	4730	1370	2080	-	-
*Blk BLANK	-	<1	<10	<1	-	-
*Std PGMS-27	-	5080	1250	2000	-	-

Element	As	Ba	Be	Bi	Cd	Ce
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.5	0.5	0.02	0.01	0.02	0.05
Upper Limit	2,000	5,000	1,000	2,000	1,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	44.1	185	1.33	0.29	0.40	94.04
00252202	38.9	101	0.51	0.23	0.47	40.57
00252203	20.7	89.8	0.22	0.26	0.78	8.96
00252204	1.4	10.0	0.05	0.07	<0.02	6.89
00252205	15.7	28.6	0.07	0.11	0.46	2.35
00252206	6.5	19.9	0.15	0.10	0.05	7.31

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	As	Ba	Be	Bi	Cd	Ce
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.5	0.5	0.02	0.01	0.02	0.05
Upper Limit	2,000	5,000	1,000	2,000	1,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252207	19.6	69.7	0.31	0.20	0.76	14.49
00252208	1.0	15.3	0.08	0.07	<0.02	8.67
00252209	17.3	107	0.26	0.40	1.03	10.22
00252210	6.2	16.7	0.13	0.07	0.03	10.79
00252211	29.9	39.5	0.17	0.16	0.16	10.19
00252212	1.9	20.1	0.13	0.08	<0.02	11.82
00252213	13.7	96.4	0.21	0.22	0.48	5.87
00252214	3.4	13.6	0.18	0.07	0.05	7.81
00252215	35.2	86.7	0.12	0.22	0.88	4.21
00252216	5.9	26.9	0.24	0.09	0.04	10.37
00252217	28.8	63.4	0.38	0.13	0.23	43.65
00252218	21.8	62.6	0.28	0.21	0.37	12.83
00252219	2.9	20.4	0.16	0.07	0.02	9.77
00252220	10.7	77.5	0.16	0.21	0.27	5.54
00252221	14.1	20.9	0.26	0.07	0.04	12.67
00252222	27.8	132	0.27	0.24	0.43	9.08
00252223	4.4	16.1	0.24	0.13	0.03	12.33
00252224	28.7	52.2	0.08	0.12	0.24	2.06
00252225	6.9	31.8	0.39	0.19	0.04	11.78
00252226	19.8	51.3	0.10	0.18	0.15	5.24
00252227	5.3	25.4	0.25	0.16	0.04	8.86
00252228	20.9	102	0.39	0.11	0.11	25.88
00252229	23.5	39.1	0.08	0.10	0.27	2.98
00252230	34.7	119	0.13	0.23	0.19	8.24
00252231	28.8	52.3	0.30	0.20	0.04	17.06
00252232	42.3	97.6	0.11	0.24	0.38	8.92
00252233	26.1	42.6	0.13	0.22	0.05	8.96
00252234	10.7	36.2	0.21	0.09	0.05	18.65
00252235	6.3	25.9	0.19	0.07	<0.02	18.93

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	As	Ba	Be	Bi	Cd	Ce
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.5	0.5	0.02	0.01	0.02	0.05
Upper Limit	2,000	5,000	1,000	2,000	1,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252236	0.6	18.1	0.11	0.06	<0.02	35.12
00252237	7.9	74.6	0.32	0.09	0.10	53.03
00252238	11.6	47.7	0.23	0.08	0.28	22.34
00252239	32.9	69.6	0.33	0.14	0.43	50.64
00252240	16.9	70.4	0.20	0.11	0.31	26.78
00252241	37.9	82.7	0.37	0.13	0.41	32.60
00252242	62.1	101	0.46	0.18	0.35	49.02
00252243	43.1	112	0.64	0.28	0.38	54.96
00252244	47.3	72.2	0.17	0.16	0.58	11.17
00252245	40.8	61.2	0.47	0.12	0.12	25.92
00252246	54.4	88.6	0.14	0.25	0.64	6.38
00252247	24.7	52.1	0.30	0.13	0.38	25.61
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	8.4	27.9	0.17	0.12	0.06	10.85
00252250	43.9	68.7	0.22	0.14	0.56	23.32
00252251	41.1	70.1	0.22	0.18	0.77	9.79
00252252	7.5	52.6	0.30	0.11	0.08	23.56
00252253	30.9	56.6	0.10	0.14	0.60	9.04
00252254	49.4	61.0	0.07	0.20	0.56	3.55
00252255	32.3	89.0	0.11	0.15	0.47	13.92
00252256	25.1	139	0.38	0.10	0.45	34.59
00252257	17.1	37.7	0.06	0.05	0.32	2.42
00252258	15.5	87.1	0.40	0.14	0.21	32.97
00252259	64.9	105	0.12	0.18	0.41	6.06
00252260	20.1	77.8	0.29	0.14	0.23	20.44
00252261	30.8	113	0.25	0.14	0.33	16.65
*Blk BLANK	<0.5	<0.5	<0.02	<0.01	<0.02	<0.05
*Rep 00252245	40.7	63.6	0.45	0.17	0.12	26.50
*Std OREAS 263	35.2	182	1.31	0.60	0.29	32.88

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	As	Ba	Be	Bi	Cd	Ce
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.5	0.5	0.02	0.01	0.02	0.05
Upper Limit	2,000	5,000	1,000	2,000	1,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Std OREAS 905	28.1	234	0.92	5.93	0.33	70.62
*Std OREAS 263	28.0	166	1.23	0.57	0.29	28.34
*Rep 00252219	3.4	23.5	0.20	0.08	0.03	10.91
*Blk BLANK	<0.5	<0.5	<0.02	<0.01	<0.02	<0.05

Element	Co	Cs	Cu	Dy	Er	Eu
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.1	0.01	0.5	0.01	0.01	0.01
Upper Limit	1,000	2,000	5,000	2,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	10.1	1.35	31.6	3.21	1.43	1.39
00252202	4.2	0.69	19.7	1.30	0.56	0.57
00252203	1.8	0.25	15.0	0.36	0.16	0.15
00252204	0.4	0.33	2.0	0.27	0.12	0.13
00252205	1.4	0.29	4.4	0.11	0.05	0.04
00252206	2.4	0.66	5.3	0.29	0.13	0.13
00252207	3.6	0.28	12.2	0.50	0.23	0.23
00252208	1.1	0.49	2.9	0.33	0.15	0.16
00252209	2.2	0.38	11.2	0.52	0.24	0.20
00252210	2.2	0.54	4.9	0.47	0.20	0.21
00252211	1.3	0.48	7.8	0.33	0.14	0.15
00252212	1.8	0.56	7.9	0.45	0.20	0.20
00252213	1.6	0.31	7.7	0.30	0.14	0.12
00252214	2.1	0.45	4.8	0.31	0.13	0.15
00252215	1.5	0.32	7.4	0.19	0.09	0.08
00252216	4.0	1.06	8.8	0.36	0.16	0.19
00252217	1.6	0.40	23.0	1.52	0.68	0.72
00252218	2.6	0.31	8.7	0.62	0.28	0.27
00252219	2.7	0.64	4.1	0.46	0.21	0.22

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Co	Cs	Cu	Dy	Er	Eu
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.1	0.01	0.5	0.01	0.01	0.01
Upper Limit	1,000	2,000	5,000	2,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252220	1.5	0.68	8.2	0.25	0.11	0.10
00252221	3.7	0.67	7.1	0.51	0.24	0.22
00252222	1.7	0.31	10.2	0.40	0.18	0.17
00252223	2.9	0.57	6.9	0.48	0.21	0.22
00252224	1.0	0.14	4.1	0.10	0.05	0.04
00252225	3.1	0.97	8.5	0.49	0.21	0.22
00252226	1.2	0.42	5.6	0.20	0.09	0.08
00252227	3.3	1.51	12.7	0.36	0.16	0.15
00252228	3.7	0.56	7.7	1.47	0.70	0.64
00252229	0.7	0.17	4.8	0.18	0.08	0.06
00252230	2.3	0.38	8.9	0.27	0.12	0.13
00252231	5.9	1.44	15.6	0.62	0.26	0.31
00252232	2.5	0.45	6.8	0.31	0.14	0.14
00252233	4.4	1.67	9.4	0.31	0.14	0.16
00252234	3.1	0.83	11.6	0.61	0.27	0.30
00252235	3.3	0.95	13.4	0.67	0.31	0.32
00252236	2.7	0.47	13.6	0.92	0.42	0.38
00252237	7.9	0.71	27.4	1.32	0.62	0.59
00252238	4.2	0.62	20.4	0.55	0.25	0.22
00252239	4.6	0.25	18.6	1.31	0.62	0.54
00252240	2.6	0.22	13.7	0.66	0.32	0.29
00252241	5.5	0.68	16.2	1.08	0.51	0.38
00252242	5.6	0.91	13.9	1.45	0.66	0.57
00252243	9.4	0.73	13.6	1.51	0.69	0.57
00252244	2.7	0.46	8.7	0.32	0.14	0.12
00252245	6.4	1.51	11.3	0.66	0.30	0.26
00252246	2.3	0.16	6.1	0.27	0.12	0.09
00252247	4.2	0.47	8.8	0.61	0.26	0.23
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Co	Cs	Cu	Dy	Er	Eu
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.1	0.01	0.5	0.01	0.01	0.01
Upper Limit	1,000	2,000	5,000	2,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252249	4.1	1.37	5.4	0.37	0.16	0.16
00252250	2.2	0.23	9.1	0.59	0.25	0.24
00252251	2.6	0.16	6.7	0.28	0.13	0.11
00252252	5.5	1.02	10.9	0.59	0.26	0.23
00252253	2.2	0.10	5.9	0.35	0.17	0.13
00252254	1.1	0.10	4.8	0.20	0.10	0.06
00252255	2.2	0.14	7.0	0.42	0.21	0.19
00252256	5.5	0.76	10.8	1.14	0.52	0.49
00252257	0.6	0.08	3.6	0.12	0.06	0.04
00252258	3.3	1.31	15.2	0.88	0.38	0.34
00252259	1.6	0.41	7.1	0.25	0.12	0.09
00252260	2.5	0.46	7.0	0.56	0.24	0.21
00252261	3.6	0.40	7.6	0.42	0.19	0.16
*Blk BLANK	<0.1	<0.01	<0.5	<0.01	<0.01	<0.01
*Rep 00252245	6.5	1.52	11.5	0.67	0.30	0.26
*Std OREAS 263	33.4	3.46	95.3	2.49	1.18	0.71
*Std OREAS 905	13.2	1.26	1446	1.88	0.54	1.01
*Std OREAS 263	29.0	3.21	90.3	2.43	1.16	0.76
*Rep 00252219	3.1	0.74	4.6	0.52	0.24	0.24
*Blk BLANK	<0.1	<0.01	<0.5	<0.01	<0.01	<0.01

Element	Ga	Gd	Hf	Hg	Ho	In
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.01	0.01	0.02	0.01	0.005
Upper Limit	1,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	8.77	4.79	0.45	0.03	0.53	0.037
00252202	5.25	1.84	0.36	0.04	0.21	0.023
00252203	1.53	0.46	0.19	<0.02	0.06	0.011

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Ga	Gd	Hf	Hg	Ho	In
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.01	0.01	0.02	0.01	0.005
Upper Limit	1,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252204	2.54	0.42	0.02	<0.02	0.04	<0.005
00252205	0.66	0.15	0.15	<0.02	0.02	<0.005
00252206	4.26	0.41	0.02	<0.02	0.05	<0.005
00252207	1.62	0.74	0.05	<0.02	0.08	0.012
00252208	3.08	0.52	<0.01	<0.02	0.05	<0.005
00252209	1.94	0.70	0.05	<0.02	0.09	0.025
00252210	3.82	0.69	0.01	<0.02	0.08	0.006
00252211	3.35	0.49	0.02	<0.02	0.05	0.007
00252212	3.16	0.72	0.02	<0.02	0.07	0.006
00252213	1.02	0.40	0.05	<0.02	0.05	0.011
00252214	4.30	0.48	0.02	<0.02	0.05	<0.005
00252215	1.52	0.26	0.03	<0.02	0.03	0.009
00252216	5.09	0.54	0.02	<0.02	0.06	0.006
00252217	2.64	2.29	0.03	0.03	0.26	0.010
00252218	1.72	0.92	0.02	<0.02	0.11	0.014
00252219	3.61	0.72	0.01	<0.02	0.08	0.005
00252220	1.43	0.33	0.03	<0.02	0.04	0.009
00252221	3.14	0.73	0.05	<0.02	0.08	0.006
00252222	1.79	0.53	0.02	<0.02	0.07	0.012
00252223	4.39	0.67	0.08	<0.02	0.08	0.006
00252224	0.54	0.14	0.02	<0.02	0.02	<0.005
00252225	6.27	0.70	0.08	<0.02	0.08	0.011
00252226	2.17	0.28	<0.01	<0.02	0.03	<0.005
00252227	6.62	0.53	0.08	<0.02	0.06	0.010
00252228	3.45	2.14	0.02	<0.02	0.26	0.010
00252229	0.51	0.23	0.03	0.02	0.03	0.007
00252230	2.22	0.41	0.02	0.04	0.04	0.009
00252231	10.03	0.98	0.04	<0.02	0.10	0.013
00252232	1.76	0.46	0.02	0.04	0.05	0.009

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Ga	Gd	Hf	Hg	Ho	In
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.01	0.01	0.02	0.01	0.005
Upper Limit	1,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252233	11.52	0.50	0.04	<0.02	0.05	0.007
00252234	3.83	0.95	0.03	<0.02	0.10	<0.005
00252235	3.81	1.04	0.07	<0.02	0.11	<0.005
00252236	1.99	1.45	0.08	<0.02	0.15	<0.005
00252237	3.66	2.14	0.16	<0.02	0.22	0.009
00252238	2.58	0.83	0.06	<0.02	0.09	0.007
00252239	1.40	2.07	0.04	0.03	0.22	0.010
00252240	0.85	1.05	0.03	0.03	0.11	0.005
00252241	2.98	1.51	0.07	0.03	0.18	0.011
00252242	3.33	2.15	0.02	0.03	0.24	0.017
00252243	3.46	2.13	0.03	0.03	0.25	0.015
00252244	2.32	0.44	0.05	0.03	0.05	0.011
00252245	6.62	0.98	0.07	<0.02	0.11	0.015
00252246	1.32	0.36	0.02	0.06	0.05	0.013
00252247	2.36	0.85	<0.01	<0.02	0.10	0.009
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	8.74	0.55	0.03	<0.02	0.06	0.007
00252250	1.19	0.87	0.01	0.02	0.09	0.007
00252251	0.72	0.40	0.01	0.03	0.05	0.009
00252252	5.62	0.91	0.05	<0.02	0.10	0.012
00252253	0.59	0.53	0.01	0.03	0.06	0.008
00252254	0.51	0.26	<0.01	0.04	0.03	0.009
00252255	0.90	0.63	0.01	0.05	0.07	<0.005
00252256	4.20	1.72	0.02	<0.02	0.19	0.013
00252257	0.45	0.16	<0.01	<0.02	0.02	<0.005
00252258	7.49	1.32	0.01	<0.02	0.15	0.016
00252259	1.07	0.34	0.03	0.05	0.04	0.010
00252260	3.06	0.80	0.02	<0.02	0.09	0.009
00252261	1.88	0.61	0.01	<0.02	0.07	0.009

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Ga	Gd	Hf	Hg	Ho	In
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.01	0.01	0.02	0.01	0.005
Upper Limit	1,000	2,000	2,000	1,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
*Blk BLANK	<0.05	<0.01	<0.01	<0.02	<0.01	<0.005
*Rep 00252245	6.39	0.99	0.07	<0.02	0.11	0.015
*Std OREAS 263	4.89	3.46	0.16	0.03	0.44	0.030
*Std OREAS 905	6.50	3.91	0.24	<0.02	0.24	0.604
*Std OREAS 263	4.62	3.40	0.27	0.03	0.43	0.029
*Rep 00252219	4.14	0.80	0.03	<0.02	0.09	0.006
*Blk BLANK	<0.05	<0.01	<0.01	<0.02	<0.01	<0.005

Element	La	Li	Lu	Mn	Mo	Nb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.1	0.002	0.5	0.02	0.02
Upper Limit	2,000	2,000	1,000	5,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	50.23	25.8	0.148	505	1.42	1.92
00252202	21.00	6.1	0.055	103	0.68	1.25
00252203	5.14	0.4	0.014	54.5	0.41	0.21
00252204	3.71	1.6	0.012	14.8	0.36	0.35
00252205	1.31	0.4	0.004	20.8	0.18	0.20
00252206	3.89	6.3	0.012	51.2	0.55	0.79
00252207	9.20	0.5	0.021	22.2	0.41	0.23
00252208	4.76	4.3	0.014	26.2	0.51	0.80
00252209	5.68	0.8	0.022	36.4	0.54	0.31
00252210	5.71	5.8	0.022	54.7	0.37	0.80
00252211	6.06	1.0	0.011	17.7	0.45	0.41
00252212	6.34	4.9	0.020	36.9	0.31	0.67
00252213	3.37	0.4	0.012	60.8	0.31	0.16
00252214	4.30	6.0	0.013	35.3	0.54	1.17
00252215	2.37	0.4	0.007	49.9	0.26	0.23
00252216	5.66	11.3	0.015	87.9	0.98	1.16

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	La	Li	Lu	Mn	Mo	Nb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.1	0.002	0.5	0.02	0.02
Upper Limit	2,000	2,000	1,000	5,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252217	25.83	1.0	0.059	25.7	1.64	0.72
00252218	7.72	1.2	0.028	26.6	2.31	0.37
00252219	5.68	7.6	0.022	55.8	3.28	0.99
00252220	3.29	1.0	0.010	259	0.40	0.28
00252221	6.42	8.9	0.025	66.6	0.57	1.49
00252222	5.31	0.6	0.016	34.0	0.31	0.25
00252223	6.23	7.3	0.023	54.7	0.57	1.46
00252224	1.19	0.2	0.003	10.7	0.17	0.09
00252225	6.64	9.5	0.021	71.3	1.33	1.65
00252226	3.03	0.8	0.007	32.2	0.94	0.40
00252227	4.88	11.3	0.016	57.4	2.89	1.06
00252228	13.32	1.5	0.078	726	17.88	1.05
00252229	1.85	0.2	0.008	32.8	1.41	0.10
00252230	4.82	1.2	0.010	26.7	0.78	0.46
00252231	10.15	17.5	0.027	60.0	4.50	2.51
00252232	5.41	0.7	0.014	27.8	0.73	0.36
00252233	5.20	8.0	0.013	104	3.45	1.41
00252234	11.22	8.9	0.027	54.3	1.39	1.22
00252235	11.02	9.8	0.033	69.9	1.33	1.04
00252236	15.93	5.8	0.042	59.2	2.25	0.80
00252237	25.10	7.0	0.062	136	6.60	1.00
00252238	11.38	4.3	0.024	119	7.69	0.63
00252239	24.11	0.8	0.065	94.4	7.57	0.28
00252240	13.19	0.4	0.034	43.6	2.82	0.17
00252241	14.66	4.2	0.052	88.5	1.47	0.65
00252242	26.22	3.9	0.060	77.3	0.65	0.51
00252243	26.59	5.0	0.066	730	0.56	0.52
00252244	5.55	1.4	0.014	62.9	0.48	0.46
00252245	11.81	11.1	0.029	148	0.34	1.37

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	La	Li	Lu	Mn	Mo	Nb
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.05	0.1	0.002	0.5	0.02	0.02
Upper Limit	2,000	2,000	1,000	5,000	2,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252246	2.92	0.7	0.013	27.0	0.31	0.18
00252247	12.33	2.5	0.023	42.1	0.28	0.43
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	5.37	11.3	0.017	94.0	0.51	1.22
00252250	12.54	0.6	0.022	47.5	0.35	0.26
00252251	5.16	0.3	0.010	22.9	0.25	0.09
00252252	12.04	11.8	0.027	127	0.28	1.12
00252253	4.42	0.3	0.018	74.8	0.20	0.07
00252254	1.68	<0.1	0.010	28.5	0.22	0.04
00252255	6.89	0.1	0.023	28.3	0.41	0.11
00252256	16.35	11.9	0.053	160	0.72	0.85
00252257	1.26	0.1	0.004	14.0	0.70	0.04
00252258	16.46	7.1	0.037	67.1	0.40	0.79
00252259	2.91	0.3	0.011	123	0.58	0.14
00252260	10.46	2.7	0.020	150	0.42	0.63
00252261	7.78	1.9	0.015	288	0.30	0.31
*Blk BLANK	<0.05	<0.1	<0.002	<0.5	<0.02	<0.02
*Rep 00252245	11.92	10.7	0.028	143	0.37	1.27
*Std OREAS 263	15.58	22.4	0.132	552	0.73	<0.02
*Std OREAS 905	37.95	4.6	0.031	346	3.07	0.23
*Std OREAS 263	15.55	20.6	0.130	486	0.66	0.02
*Rep 00252219	6.29	9.0	0.024	63.7	3.81	1.11
*Blk BLANK	<0.05	<0.1	<0.002	<0.5	<0.02	<0.02

Element	Nd	Ni	Pb	Pr	Rb	Re
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.025	0.5	0.2	0.01	0.05	0.001
Upper Limit	2,000	5,000	1,000	1,000	1,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Nd	Ni	Pb	Pr	Rb	Re
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.025	0.5	0.2	0.01	0.05	0.001
Upper Limit	2,000	5,000	1,000	1,000	1,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	36.49	28.4	11.7	10.49	30.37	0.005
00252202	14.98	11.6	17.8	4.60	11.81	<0.001
00252203	3.25	4.3	23.2	0.99	3.75	<0.001
00252204	2.95	0.9	3.4	0.83	3.13	<0.001
00252205	0.96	4.2	14.9	0.27	3.92	<0.001
00252206	2.80	3.0	4.2	0.82	6.74	<0.001
00252207	5.51	4.0	20.4	1.68	3.36	<0.001
00252208	3.71	2.2	3.8	1.08	4.29	<0.001
00252209	4.13	5.4	48.7	1.21	4.35	<0.001
00252210	4.53	3.8	3.7	1.29	4.35	<0.001
00252211	3.71	3.0	11.7	1.13	4.08	<0.001
00252212	4.88	3.7	4.1	1.39	4.78	<0.001
00252213	2.38	4.5	27.8	0.70	4.71	<0.001
00252214	3.13	2.9	3.8	0.91	3.16	<0.001
00252215	1.66	4.8	27.2	0.49	6.83	<0.001
00252216	3.90	5.8	4.3	1.13	5.44	<0.001
00252217	18.94	5.0	11.1	5.69	3.77	0.003
00252218	6.19	4.8	23.9	1.73	4.09	<0.001
00252219	4.72	4.3	3.6	1.33	5.10	<0.001
00252220	2.15	5.6	34.8	0.64	8.73	<0.001
00252221	4.88	5.2	3.4	1.40	4.87	<0.001
00252222	3.46	6.2	28.4	1.03	3.50	<0.001
00252223	4.75	3.7	3.8	1.36	3.55	<0.001
00252224	0.86	4.0	16.7	0.25	1.95	<0.001
00252225	4.63	4.4	5.6	1.35	5.36	<0.001
00252226	2.03	3.3	20.9	0.59	3.37	<0.001
00252227	3.39	5.1	8.7	1.00	8.92	<0.001
00252228	12.87	5.8	6.7	3.46	3.00	0.003
00252229	1.29	3.0	10.7	0.35	1.30	<0.001

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Nd	Ni	Pb	Pr	Rb	Re
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.025	0.5	0.2	0.01	0.05	0.001
Upper Limit	2,000	5,000	1,000	1,000	1,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252230	3.04	6.0	26.1	0.92	3.68	<0.001
00252231	7.36	8.3	7.1	2.15	6.13	<0.001
00252232	3.42	7.3	30.2	1.02	5.84	<0.001
00252233	3.50	6.0	8.6	1.03	10.85	<0.001
00252234	7.44	6.2	5.6	2.23	4.28	<0.001
00252235	7.74	6.2	4.0	2.27	5.99	<0.001
00252236	13.55	4.7	2.2	3.45	3.98	<0.001
00252237	20.63	9.3	5.1	5.16	13.59	<0.001
00252238	7.71	7.2	6.7	2.09	12.62	<0.001
00252239	19.25	9.0	11.1	5.03	3.84	0.007
00252240	9.72	5.4	10.8	2.57	3.07	<0.001
00252241	11.93	12.8	13.3	2.99	11.31	0.004
00252242	19.20	11.2	19.9	5.13	15.54	<0.001
00252243	18.67	11.6	26.9	5.07	15.37	<0.001
00252244	3.52	6.2	15.3	0.94	9.64	<0.001
00252245	8.32	13.0	6.1	2.22	28.73	<0.001
00252246	2.39	6.0	26.3	0.60	4.39	<0.001
00252247	7.83	5.5	11.1	2.19	8.46	<0.001
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	4.32	5.4	5.8	1.09	16.57	<0.001
00252250	8.12	5.3	14.3	2.15	4.78	<0.001
00252251	3.19	4.6	20.5	0.84	3.52	<0.001
00252252	8.07	11.2	6.2	2.09	24.69	<0.001
00252253	3.79	3.8	14.0	0.94	3.23	<0.001
00252254	1.53	4.4	20.0	0.37	2.84	<0.001
00252255	5.62	3.9	9.3	1.39	3.25	<0.001
00252256	14.31	9.1	9.4	3.58	6.34	0.003
00252257	0.99	1.8	5.1	0.24	0.81	<0.001
00252258	11.70	9.8	7.9	3.20	19.75	<0.001

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Nd	Ni	Pb	Pr	Rb	Re
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.025	0.5	0.2	0.01	0.05	0.001
Upper Limit	2,000	5,000	1,000	1,000	1,000	100
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252259	2.36	5.8	21.1	0.59	3.31	<0.001
00252260	6.96	6.1	13.1	1.87	6.92	<0.001
00252261	5.16	7.0	19.6	1.38	5.87	<0.001
*Blk BLANK	<0.03	<0.5	<0.2	<0.01	<0.05	<0.001
*Rep 00252245	8.51	12.6	6.3	2.21	28.14	<0.001
*Std OREAS 263	15.50	66.9	33.5	3.56	19.21	<0.001
*Std OREAS 905	29.37	8.3	16.3	8.27	17.25	<0.001
*Std OREAS 263	13.68	63.7	32.1	3.69	16.36	<0.001
*Rep 00252219	5.15	4.8	4.1	1.46	5.66	<0.001
*Blk BLANK	<0.03	<0.5	0.2	<0.01	<0.05	<0.001

Element	Sb	Sc	Se	Sm	Sn	Sr
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.02	0.1	0.5	0.02	0.05	0.1
Upper Limit	1,000	1,000	2,500	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	0.61	3.0	1.3	5.90	0.88	57.3
00252202	2.48	0.6	1.1	2.34	0.85	27.8
00252203	2.02	0.2	0.9	0.52	0.53	30.5
00252204	0.08	0.3	<0.5	0.52	0.34	5.4
00252205	1.58	0.3	0.8	0.16	0.33	19.7
00252206	0.22	0.7	<0.5	0.50	0.33	4.5
00252207	1.11	0.2	0.8	0.87	0.55	22.8
00252208	0.05	0.6	<0.5	0.64	0.38	4.8
00252209	1.85	0.3	1.0	0.74	0.82	18.6
00252210	0.14	0.9	<0.5	0.83	0.37	6.7
00252211	0.77	0.2	0.6	0.59	0.69	11.5
00252212	0.06	1.0	<0.5	0.86	0.41	6.5
00252213	1.40	0.3	0.8	0.42	0.44	20.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Sb	Sc	Se	Sm	Sn	Sr
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.02	0.1	0.5	0.02	0.05	0.1
Upper Limit	1,000	1,000	2,500	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252214	0.14	0.8	<0.5	0.58	0.35	4.4
00252215	2.75	0.2	0.6	0.29	0.54	21.1
00252216	0.16	1.1	<0.5	0.69	0.35	6.6
00252217	2.03	0.1	1.1	2.94	0.50	26.9
00252218	1.49	0.2	0.8	1.08	0.45	37.7
00252219	0.08	0.8	<0.5	0.85	0.34	9.8
00252220	2.02	0.3	1.0	0.37	0.60	23.1
00252221	0.40	1.1	<0.5	0.88	0.32	7.6
00252222	1.91	0.1	0.8	0.59	0.53	26.3
00252223	0.15	1.0	<0.5	0.85	0.31	6.1
00252224	1.91	0.2	0.7	0.15	0.34	16.0
00252225	0.25	1.3	<0.5	0.82	0.43	7.7
00252226	1.70	0.5	0.5	0.34	0.49	12.6
00252227	0.20	1.1	<0.5	0.62	0.49	5.6
00252228	0.19	0.5	1.4	2.41	0.38	44.6
00252229	1.08	0.2	0.9	0.24	0.24	23.1
00252230	4.96	0.3	0.9	0.49	0.63	27.3
00252231	0.38	1.4	0.9	1.21	0.65	12.0
00252232	5.12	0.4	1.0	0.54	0.66	24.8
00252233	0.37	1.2	<0.5	0.63	0.81	8.6
00252234	0.29	0.9	<0.5	1.19	0.36	6.9
00252235	0.16	1.1	<0.5	1.31	0.36	8.3
00252236	0.09	0.7	<0.5	2.22	0.21	7.3
00252237	0.42	1.0	0.8	3.31	0.35	41.8
00252238	0.55	0.7	0.7	1.23	0.30	33.6
00252239	1.53	0.2	1.2	3.05	0.29	61.9
00252240	1.70	0.4	1.1	1.52	0.25	54.0
00252241	1.32	1.2	1.5	2.09	0.38	66.5
00252242	1.92	0.9	1.4	3.20	0.53	35.4

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Sb	Sc	Se	Sm	Sn	Sr
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.02	0.1	0.5	0.02	0.05	0.1
Upper Limit	1,000	1,000	2,500	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252243	5.53	1.1	1.2	3.07	0.78	41.6
00252244	1.82	0.7	0.9	0.61	0.44	29.6
00252245	0.14	2.5	<0.5	1.45	0.62	16.1
00252246	3.47	0.2	0.7	0.45	0.52	28.0
00252247	0.84	0.4	0.6	1.27	0.40	14.1
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	0.14	1.3	<0.5	0.82	0.54	9.2
00252250	1.67	0.3	1.0	1.29	0.35	27.1
00252251	2.16	0.3	0.8	0.54	0.36	25.5
00252252	0.10	2.3	<0.5	1.36	0.49	14.7
00252253	1.15	<0.1	0.5	0.68	0.19	34.2
00252254	2.45	<0.1	0.7	0.31	0.31	26.9
00252255	2.63	0.2	0.9	0.94	0.36	62.8
00252256	0.30	0.6	1.0	2.52	0.40	36.4
00252257	0.50	<0.1	0.8	0.20	0.16	12.2
00252258	0.26	0.9	0.6	1.96	0.76	20.8
00252259	2.59	0.2	0.7	0.44	0.36	21.7
00252260	0.61	0.7	<0.5	1.16	0.43	15.7
00252261	2.13	0.4	0.5	0.84	0.65	19.9
*Blk BLANK	<0.02	<0.1	<0.5	<0.02	<0.05	<0.1
*Rep 00252245	0.16	2.4	<0.5	1.43	0.63	15.0
*Std OREAS 263	7.91	3.2	0.6	3.79	0.53	19.4
*Std OREAS 905	1.10	1.6	1.9	4.94	1.25	12.7
*Std OREAS 263	7.83	2.9	0.6	3.20	0.51	17.6
*Rep 00252219	0.09	0.9	<0.5	0.96	0.36	10.4
*Blk BLANK	<0.02	<0.1	<0.5	<0.02	<0.05	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Ta	Tb	Te	Th	Tl	U
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.005	0.02	0.01	0.01	0.01
Upper Limit	1,000	1,000	1,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	<0.01	0.581	0.18	2.05	0.32	8.51
00252202	0.01	0.229	0.21	0.27	0.23	0.87
00252203	<0.01	0.059	0.12	0.20	0.07	0.40
00252204	<0.01	0.050	0.04	0.16	0.01	0.22
00252205	<0.01	0.017	0.09	0.11	0.03	0.08
00252206	<0.01	0.051	0.04	2.09	0.02	0.33
00252207	<0.01	0.090	0.06	0.08	0.07	0.50
00252208	<0.01	0.059	0.02	1.12	<0.01	0.27
00252209	<0.01	0.089	0.06	0.06	0.06	0.39
00252210	<0.01	0.085	<0.02	1.34	<0.01	0.34
00252211	<0.01	0.060	0.04	0.03	0.03	0.34
00252212	<0.01	0.081	<0.02	1.82	0.01	0.35
00252213	<0.01	0.050	0.04	0.09	0.02	0.19
00252214	<0.01	0.058	<0.02	1.64	<0.01	0.28
00252215	<0.01	0.032	0.05	0.05	0.02	0.16
00252216	<0.01	0.067	0.03	2.07	0.01	0.43
00252217	<0.01	0.273	0.03	0.05	0.01	1.79
00252218	<0.01	0.109	0.04	<0.01	0.03	0.40
00252219	<0.01	0.083	<0.02	1.25	<0.01	0.35
00252220	<0.01	0.040	<0.02	0.07	0.05	0.23
00252221	<0.01	0.090	0.03	2.74	<0.01	0.43
00252222	<0.01	0.067	0.03	0.02	0.01	0.35
00252223	<0.01	0.085	0.03	3.08	<0.01	0.47
00252224	<0.01	0.016	<0.02	0.10	<0.01	0.08
00252225	<0.01	0.084	0.04	3.24	<0.01	0.47
00252226	<0.01	0.033	0.02	0.20	<0.01	0.19
00252227	<0.01	0.063	0.03	3.13	0.03	0.50
00252228	<0.01	0.260	0.03	0.17	0.03	1.21
00252229	<0.01	0.030	0.04	0.08	<0.01	0.22

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	Ta	Tb	Te	Th	Tl	U
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.005	0.02	0.01	0.01	0.01
Upper Limit	1,000	1,000	1,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252230	<0.01	0.047	0.03	0.02	0.02	0.24
00252231	<0.01	0.115	0.05	2.75	0.05	0.69
00252232	<0.01	0.055	0.03	0.04	<0.01	0.22
00252233	<0.01	0.057	0.03	3.61	0.07	0.39
00252234	<0.01	0.109	<0.02	3.26	0.01	0.55
00252235	<0.01	0.124	<0.02	3.93	0.02	0.53
00252236	<0.01	0.191	0.02	4.02	0.08	0.54
00252237	<0.01	0.275	0.02	0.88	0.17	0.76
00252238	<0.01	0.110	0.03	0.27	0.09	0.46
00252239	<0.01	0.274	0.04	0.10	0.03	0.90
00252240	<0.01	0.133	0.03	0.18	<0.01	0.54
00252241	<0.01	0.214	0.03	0.93	0.03	6.45
00252242	<0.01	0.294	0.05	0.29	0.02	1.39
00252243	<0.01	0.305	0.04	0.40	0.02	1.10
00252244	<0.01	0.063	0.03	0.41	<0.01	0.21
00252245	<0.01	0.142	<0.02	3.30	0.10	0.49
00252246	<0.01	0.052	0.03	0.18	<0.01	0.20
00252247	<0.01	0.124	<0.02	0.11	0.03	0.44
00252248	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	<0.01	0.074	0.03	2.56	0.03	0.33
00252250	<0.01	0.119	0.03	0.16	<0.01	0.40
00252251	<0.01	0.055	0.03	0.10	<0.01	0.22
00252252	<0.01	0.123	<0.02	3.67	0.12	0.50
00252253	<0.01	0.067	0.02	0.14	<0.01	0.14
00252254	<0.01	0.037	0.02	0.06	<0.01	0.13
00252255	<0.01	0.082	0.03	0.12	<0.01	0.22
00252256	<0.01	0.235	0.02	0.20	0.05	1.28
00252257	<0.01	0.020	<0.02	0.05	<0.01	0.18
00252258	<0.01	0.188	<0.02	0.28	0.12	1.10

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Project GOLDON RESOURCES
Submission Number GoldON-1/ 61 Soil
Number of Samples 61

ANALYSIS REPORT BBM19-01531

Element	Ta	Tb	Te	Th	Tl	U
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	0.01	0.005	0.02	0.01	0.01	0.01
Upper Limit	1,000	1,000	1,000	1,000	1,000	1,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252259	<0.01	0.050	0.03	0.21	<0.01	0.19
00252260	<0.01	0.112	<0.02	0.39	0.02	0.37
00252261	<0.01	0.083	0.02	0.08	<0.01	0.25
*Blk BLANK	<0.01	<0.005	<0.02	<0.01	<0.01	<0.01
*Rep 00252245	<0.01	0.135	<0.02	3.42	0.11	0.50
*Std OREAS 263	<0.01	0.497	0.21	11.63	0.61	1.38
*Std OREAS 905	<0.01	0.409	0.11	8.80	0.13	2.29
*Std OREAS 263	<0.01	0.424	0.18	10.14	0.54	1.25
*Rep 00252219	<0.01	0.094	0.02	1.53	<0.01	0.40
*Blk BLANK	<0.01	<0.005	<0.02	<0.01	<0.01	<0.01

Element	W	Y	Yb	Zn	Zr
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	1	0.02	0.01	1	0.1
Upper Limit	1,000	1,000	1,000	5,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252201	<1	13.80	1.04	53	5.5
00252202	<1	5.41	0.39	35	1.0
00252203	<1	1.69	0.11	18	1.2
00252204	<1	1.13	0.09	4	<0.1
00252205	<1	0.49	0.04	22	0.4
00252206	<1	1.17	0.09	16	0.7
00252207	<1	2.33	0.16	17	<0.1
00252208	<1	1.47	0.11	6	0.2
00252209	<1	2.44	0.16	21	0.1
00252210	<1	1.96	0.15	9	0.3
00252211	<1	1.41	0.09	15	<0.1
00252212	<1	1.91	0.14	8	0.7
00252213	<1	1.45	0.09	19	0.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

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Element	W	Y	Yb	Zn	Zr
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	1	0.02	0.01	1	0.1
Upper Limit	1,000	1,000	1,000	5,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252214	<1	1.30	0.10	7	0.8
00252215	<1	0.86	0.06	21	0.2
00252216	<1	1.46	0.12	26	0.9
00252217	<1	6.96	0.45	11	<0.1
00252218	<1	3.05	0.20	13	<0.1
00252219	<1	1.94	0.16	11	0.5
00252220	<1	1.11	0.08	26	0.7
00252221	<1	2.13	0.18	11	2.0
00252222	2	1.93	0.13	18	0.1
00252223	<1	1.99	0.16	12	2.9
00252224	11	0.44	0.03	11	0.2
00252225	<1	1.99	0.16	16	3.2
00252226	<1	0.88	0.06	12	0.2
00252227	<1	1.37	0.12	25	3.1
00252228	<1	6.87	0.54	7	0.4
00252229	<1	0.84	0.06	9	0.4
00252230	<1	1.14	0.08	17	0.3
00252231	<1	2.63	0.19	21	1.7
00252232	<1	1.42	0.11	25	0.5
00252233	<1	1.30	0.10	25	1.6
00252234	<1	2.45	0.19	12	1.1
00252235	<1	2.94	0.24	13	2.7
00252236	<1	4.62	0.34	9	2.8
00252237	<1	6.75	0.51	18	2.3
00252238	<1	2.86	0.20	21	0.9
00252239	<1	6.58	0.53	16	0.3
00252240	<1	3.56	0.26	14	0.2
00252241	<1	5.66	0.44	22	2.4
00252242	<1	7.01	0.51	34	0.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
Number of Samples	61

ANALYSIS REPORT BBM19-01531

Element	W	Y	Yb	Zn	Zr
Method	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25	GE_ARMV25
Lower Limit	1	0.02	0.01	1	0.1
Upper Limit	1,000	1,000	1,000	5,000	2,000
Unit	ppm m / m	ppm m / m	ppm m / m	ppm m / m	ppm m / m
00252243	<1	7.53	0.55	38	1.2
00252244	<1	1.72	0.11	43	1.7
00252245	<1	3.29	0.25	34	3.8
00252246	<1	1.39	0.11	35	0.5
00252247	<1	3.01	0.20	21	0.3
00252248	I.S.	I.S.	I.S.	I.S.	I.S.
00252249	<1	1.82	0.14	26	1.8
00252250	<1	3.02	0.20	44	0.3
00252251	<1	1.53	0.10	25	0.3
00252252	<1	2.84	0.21	30	3.1
00252253	<1	2.07	0.15	28	0.3
00252254	<1	1.05	0.08	28	0.1
00252255	<1	2.34	0.19	16	0.4
00252256	<1	5.62	0.44	32	0.7
00252257	<1	0.63	0.05	10	0.2
00252258	<1	4.33	0.30	35	0.5
00252259	<1	1.36	0.10	29	2.1
00252260	<1	2.75	0.18	28	0.8
00252261	<1	2.20	0.14	44	0.5
*Blk BLANK	<1	<0.02	<0.01	1	<0.1
*Rep 00252245	<1	3.15	0.24	34	4.6
*Std OREAS 263	<1	13.60	1.00	134	6.7
*Std OREAS 905	<1	6.80	0.23	60	11.0
*Std OREAS 263	<1	11.21	0.86	114	9.6
*Rep 00252219	<1	2.17	0.17	13	1.5
*Blk BLANK	<1	<0.02	<0.01	<1	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

Order Number	PO:
Project	GOLDON RESOURCES
Submission Number	GoldON-1/ 61 Soil
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ANALYSIS REPORT BBM19-01531

SGS Canada Minerals Burnaby conforms to the requirements of ISO/IEC17025 for specific tests as listed on their scope of accreditation found at https://www.scc.ca/en/search/laboratories/sgs
Tests and Elements marked with an "@" symbol in the report denote ISO/IEC17025 accreditation.

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APPENDIX III

SGS Analytical Descriptions

During sample reduction, there are many critical points where sample contamination can occur. One such area arises from the type of equipment used. Unfortunately, during sample reduction, contamination can never be avoided but processes are utilised to keep the level of contamination to a minimum. The levels are dependent on sample hardness, crushing and pulverizing time as well as crushing / grinding media used. Contamination levels can be measured and the table below indicates the type of levels of possible contamination from a variety of grinding media. More information is available in Rocks to Results, Chapter 4.1.

BOWL SELECTION

BOWL TYPE	SAMPLE CAPACITY	MAIN CONTAMINANT	MINOR CONTAMINANT
Standard mild steel bowl	To 3.5 kg	Fe, Cr	Mo
Cr-free steel	500 g to 1.5 kg	Fe	Mn
Zirconia	100 g	Zr, Hf	Al
Tungsten carbide	150 g	W, Co	Ta
Agate	100 g		Si

Note: Not all pulverizing bowl types are available at all locations. Please inquire.

SAMPLE PREPARATION PROCEDURES

DRYING

DRY10	Sample Drying, 105ºC, <5kg
DRY11	Sample Drying, 105ºC, 5-7kg
DRY12	Sample Drying, 105ºC, 7-10 kg
DRY13	Sample Drying, 105ºC, 10-15 kg
DRY14	Sample Drying, 105ºC, >15 kg
DRY15	Microwave Sample Drying, 105ºC, <5kg
DRY16	Microwave Sample Drying, 105ºC, 5-7kg
DRY17	Microwave Sample Drying, 105ºC, 7-10kg
DRY18	Microwave Sample Drying, 105ºC, 10-15kg
DRY19	Microwave Sample Drying, 105ºC, >15kg
DRY20	Sample Drying, 60ºC, <5kg
DRY21	Sample Drying, 60ºC, >5kg, per kg
DRY22	Sample Drying, Room Temp, <5kg
DRY23	Sample Drying, Room Temp, >5kg, per kg
DRY24	Sample Drying, Excessively Wet Samples
DRY25	Oven Drying, 105ºC, Carbon Samples

CRUSHING

CRU10	Coarse crush 6 mm
CRU11	Crush <5.0 kg, 75% passing 2 mm
CRU12	Crush 5-7 kg, 75% passing 2 mm
CRU13	Crush 7-10 kg, 75% passing 2 mm
CRU14	Crush 10-15 kg, 75% passing 2 mm
CRU15	Crush <15 kg, 75% passing 2 mm by the kg
CRU16	Crush <5.0 kg, 90% passing 2 mm
CRU17	Crush 5-7 kg, 90% passing 2 mm
CRU18	Crush 7-10 kg, 90% passing 2 mm
CRU19	Crush 10-15 kg, 90% passing 2 mm
CRU20	Crush >15 kg, 90% passing 2 mm by the kg
CRU21	CRM Pulverize <5.0 kg, 90% passing 1 mm
CRU22	CRM Pulverize 5-7 kg, 90% passing 1 mm
CRU23	CRM Pulverize 7-10 kg, 90% passing 1 mm
CRU24	CRM Pulverize 10-15 kg, 90% passing 1 mm
CRU25	CRM Pulverize >15 kg, 90% passing 1 mm by the kg

SPLITTING

SPL10	Manual Riffle Splitting per kg
SPL11	Cone and Quarter Splitting, per kg
SPL12	Split additional representative samples
RSD10	Rotary Split <5kg
RSD11	Rotary Split 5-7 kg
RSD12	Rotary Split 7-10 kg
RSD13	Rotary Split 10-15 kg
RSD14	Rotary Split >15kg

SCREENING - Applicable to soils and sediments

SCR10	Dry Screening to -80mesh (180µm), <2kg
SCR11	Dry Screening to -80mesh (180µm), >2kg SCR12 Dry screening, Various Meshes, <2 kg
SCR13	Dry screening, Various Meshes, >2 kg
SCR14	Wet screening, 75um, evaluation of prep
SCR15	Wet screening, various meshes, <2 kg
SCR16	Wet screening, various microns, >2 kg
SCR17	Cyclosizing
SCR18	Metallic/Screening Procedure 100 mesh
SCR19	Metallic/Screening Procedure 150 mesh
SCR20	Wet Screening Desliming

Note: Wet screening options are available. Please contact your local lab for details.

PULVERIZING

PUL10	Pulv, CR Steel, 85% 75µm, 250g
PUL11	Pulv, Cr Steel, 85% 75µm, 500g
PUL12	Pulv, Cr Steel, 85% 75µm, 800g
PUL13	Pulv, Cr Steel, 85% 75µm, 1000g
PUL14	Pulv, Cr Steel, 85% 75µm, 3000g
PUL15	Pulv, Cr Steel, 90% 75µm, 250g
PUL16	Pulv, Cr Steel, 90% 75µm, 500g
PUL17	Pulv, Cr Steel, 90% 75µm, 800g
PUL18	Pulv, Cr Steel, 90% 75µm, 1000g
PUL19	Pulv, Cr Steel, 90% 75µm, 3000g
PUL20	Pulv, Zirconia bowl, 50-80g
PUL21	Pulv, Agate/Ceramic Mort & Pest, <100g
PUL22	Pulv, Agate/Ceramic Mort & Pest, <100g
PUL23	Pulv, Agate/Ceramic Ringmill, <100g
PUL24	Pulv, Specified Mesh Size, <500g
PUL25	Pulv, Specified Mesh Size, 500g-1.5kg
PUL26	Pulv, Specified Mesh Size, 1.5kg-3.5kg
PUL27	Disc Grind, 106µm, 500g-1.5kg
PUL28	Disc Grind, 106µm, 1.5kg-3.5kg
PUL29	Disc Grind, 106µm, >3.5kg, Per kg
PUL30	Ringmill Preparation, Carbon Sample(s)
PUL31	Hand Preparation, Carbon Sample(s)
PUL32	Pulverization of Concentrates

Note: Samples can be pulverized in bowls made of other specialized materials if non-metallic preparation is required (e.g. tungsten carbide, zirconia, agate, etc.). Samples can also be pulverized at customer specified grain sizes (i.e. 106 or 120 microns) and % passing requirements. Please inquire.

AUTOMATED SAMPLE PREPARATION

Automated sample preparation is the process by which a sample is crushed, split and pulverised mechanically in a closed system, with no human intervention. Such a system can be connected to an automated fused glass bead machine which produces a sample that is ready for analysis by XRF.

Automated sample preparation has several advantages. First, samples are prepared in a consistent reproducible fashion independent of any human habits or variability. Second, such preparation distances the operator from any hazardous materials that could be present, thus providing a much improved working environment. Third, an automated sample preparation system is much more reproducible. Finally, because the system is computer controlled, preparation parameters are traceable. Thus every sample can be tracked and all parameters pertaining to the sample preparation are recorded.

ROBO10	Dry, Crush 2 mm, Split 1000 g, Pulv 75µm, <3 kg Robotic Prep
ROBO11	Dry, Crush 2 mm, Split 2000 g, Pulv 75µm, <3 kg Robotic Prep
ROBO12	Dry, Crush 2 mm, Pulv 3000-gram 75µm, <3 kg Robotic Prep
ROBO13	Dry, Crush 2 mm, Split 1000 g, Pulv 75µm, 3-5 kg Robotic Prep
ROBO14	Dry, Crush 2 mm, Split 2000 g, Pulv 75µm, 3-5 kg Robotic Prep
ROBO15	Dry, Crush 2 mm, Split 3000 g, Pulv 75µm, 3-5 kg Robotic Prep
ROBO16	Dry, Crush 2 mm, Split 1000 g, Pulv 75µm, 5-7kg Robotic Prep
ROBO17	Dry, Crush 2 mm, Split 2000 g, Pulv 75µm, 5-7kg Robotic Prep
ROBO18	Dry, Crush 2 mm, Split 3000 g, Pulv 75µm, 5-7kg Robotic Prep

G PHY03V Specific gravity - pycnometer
G_PHY06V

G PHY05V Specific gravity - volumetric
G_PHY07V

G PHY14V Specific Gravity - pycnometer bottle
G_PHY08V

G PHY04V Bulk density - immersion
G_PHY18V

Note: If samples are porous, PHY04V will require a pre-preparation charge if it is necessary to coat samples with a sealant or wax coating.

PARTICLE SIZE ANALYSIS

Particle size analysis is used to determine the size classification and structural properties of an ore sample or to produce sized fractions for additional testing/analyses. SGS offers particle size analysis by wet screening, dry screening, a combination of both, or laser diffraction.

Wet screening is preferable to dry screening for materials containing a high percentage of clays which tend to agglomerate and thus give erroneous dry screening results. Dry screen tests can be performed on a variety of materials, but the sample must be free flowing and the particles separate (e.g. unagglomerated).

Often wet and dry methods are combined. Wet screening is performed to remove excessive fines then dry screening is performed to remove the oversize. Depending upon the nature of the material, dry screening, wet screening or a combination of both can be used.

Laser diffraction is recommended for very fine grained samples, as it is capable of measuring particle sizes at very low limits (0.02 microns). Laser diffraction is suitable for use with both wet and dry flows.

G PHY06V Particle size, sieve analysis (dry or wet)
G_PHY15V

G PHY07V Particle size, laser diffraction
G_PHY16V

PRECIOUS METALS

Precious metals (gold, silver and platinum group elements) can be analyzed by many techniques. Procedures for gold determination must take into account the sample type, sample concentration, purpose of the analysis, sample mineralogy and form of the gold (if known). Lead collection fire assay is considered the most definitive technique while acid digests and accelerated cyanide leaches can be effective for specific purposes. Similarly, silver can be determined by fire assay or acid digest techniques.

Please discuss your particular circumstance with an SGS chemist so you can choose the most appropriate technique. For more details, see our publication, Rocks to Results, Chapter 4.3.

Some platinum group elements (PGE) can also be determined by lead collection fire assay but this is not recommended. The six element PGE suite is best determined by nickel sulphide collection fire assay and neutron activation or ICP-MS. Sulphide-rich samples can require a reduction in sample weight to fuse properly.

Note: Lower and upper reporting limits of a given method can vary slightly among SGS laboratories due to reagent quality, access to consumables and instrument availability. Please inquire.

GOLD

EXPLORATION-GRADE ANALYSIS

FIRE ASSAY GOLD

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE FAA313 GE_FAA30V5	Au	5 - 10,000 ppb	30 g, Fire assay, AAS finish
GE FAA515 GE_FAA50V5	Au	5 - 10,000 ppb	50 g, Fire assay, AAS finish
GE FAI313* GE_FAI30V5	Au**	1 - 10,000 ppb	30 g, Fire assay, ICP-AES finish
GE FAI515* GE_FAI50V5	Au**	1 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
GE FAI323 GE_FAI31V5	Au**	5 - 10,000 ppb	30 g, Fire assay, ICP-AES finish

GE FAI525 GE_FAI51V5	Au**	5 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
GE FAM313 GE_FAM30V5	Au**	1 - 2,000 ppb	30 g, Fire assay, ICP-MS finish
GE FAM515 GE_FAM50V5	Au**	1 - 2,000 ppb	50 g, Fire assay, ICP-MS finish

Note: *GE FAI313/515 methods use new fire assay pots to achieve lower limits. ** Pt and Pd can be included, refer to page 33.

Gold in soils and/or sediments can be determined by aqua regia digest and DIBK extraction. This is a partial leach and can require a pre-treatment such as roasting if samples contain significant sulphur bearing phases. This gold analytical method has the following advantages:

- Use of large sample sizes (25 g - 50 g) which ensures representative results for materials exhibiting nugget effect.
- The digest used for gold can also be used for a large suite of additional elements.

GOLD BY ACID DIGESTION (AQUA REGIA)

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE ARE145 GE_ARE1V50	Au	2 - 200 ppb	50 g, Aqua regia digest, DIBK extraction, AAS finish
GE ARE133 GE_ARE2V25	Au	0.02 - 200 ppm	25 g, Aqua regia digest, DIBK extraction, AAS finish
GE ARE155 GE_ARE2V50	Au	0.01 - 100 ppm	50 g, Aqua regia digest, DIBK extraction, AAS finish
GE ARM133 GE_ARMV25	Au*	1 - 500 ppb	25 g, Aqua regia digest, ICP-MS finish
GE ARM155 GE_ARMV50	Au*	1 - 500 ppb	50 g, Aqua regia digest, ICP-MS finish

* Note: Refer to page 39 for additional elements that can be determined by this method.

Cyanide leach procedures are used to enhance small gold anomalies during exploration and to monitor gold extraction efficiencies in metallurgical applications.

Bulk Leach Extractable Gold (BLEG) is a cyanide-based partial leach procedure that uses a large sample size (0.5 kg to 5 kg). It is used to enhance small gold anomalies during exploration. The cyanide leachate solution is extracted into an organic solvent and measured by flame AAS or ICP-MS. Our active cyanide leach packages are available with a variety of sample sizes, detection limits and finishing methods. The mini cyanide leach package is available for smaller sample sizes, allowing for faster TAT than active cyanide leach.

Other elements are also partially extracted with the cyanide leach and can be measured on request.

CYANIDE EXTRACTABLE GOLD

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE BLE643 GE_MBLA65V30	Au	0.1 - 1000 ppm	Hot, 30 g, Mini cyanide leach, ICP-AES or AAS finish
GE BLE61K GE_BLE61K	Au	0.02 - 100 ppm	500 g, Active cyanide leach, Solvent extraction, AAS finish
GE BLE61N GE_BLE61N	Au	1 ppb - 100 ppm	2000 g, Active cyanide leach, Solvent extraction, AAS finish
GE BLL61K	Au	0.05 ppb - 100 ppm	500 g, Active cyanide leach, ICP-MS finish
GE BLL61N	Au	0.05 ppb - 100 ppm	2000 g, Active cyanide leach, ICP-MS finish

The Leachwell™ tab is a proprietary product and Leachwell™ is a patented process. Accelerated cyanide leach techniques are used to determine bulk leachable gold in exploration samples using modified cyanide leach (Leachwell™). The large sample is mixed with water and Leachwell™ tabs and tumbled. The gold is extracted into DIBK and analyzed by flame AAS or ICP-MS. Other elements (Cu, Ag, Pb and Zn) are also partially extracted by the cyanide leach and can be measured on request.

ACCELERATED CYANIDE LEACH FOR GOLD

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE LWL69J GE_LWE69J	Au	0.01 - 1,000 ppm	200 g, Accelerated cyanide leach, AAS
GE LWL69K GE_LWE69K	Au	0.01 - 1,000 ppm	500 g, Accelerated cyanide leach, AAS
GE LWL69L GE_LWE69L	Au	0.01 - 1,000 ppm	800 g, Accelerated cyanide leach, AAS
GE LWL69M GE_LWE69M	Au	0.01 - 1,000 ppm	1000 g, Accelerated cyanide leach, AAS

GO FAG323 GO_FAG32V	Au	0.01 - 100 ppm	30 g, Fire assay, AAS finish (Au) gravimetric finish (Ag)
	Ag	10 - 10000 ppm	
GO FAG333 GO_FAG33V	Au	0.5 - 10000 ppm	30 g, Fire assay, gravimetric finish (Au, Ag)
	Ag	10 - 10000 ppm	
GO FAG525 GO_FAG52V	Au	0.01 - 100 ppm	50 g, Fire assay, AAS finish (Au), gravimetric finish (Ag)
	Ag	10 - 10000 ppm	

CONTROL AND CONCENTRATE-GRADE ANALYSIS

INSTRUMENTAL AND GRAVIMETRIC ANALYSIS

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GC AAS42V GC_AAS43V100	Ag	1 - 1000 ppm	Variable wt, 4-acid digest, AAS finish
GC FAG323 GC_FAG32V	Au	0.02 ppm	30 g, Fire assay, AAS finish (Au) gravimetric finish (Ag)
	Ag	10 ppm	
GC FAG333 GC_FAG33V	Au	0.5 ppm	30 g, Fire assay, gravimetric finish (Au, Ag)
	Ag	10 ppm	
GC ARS12D GC_ACA22D100V	Ag	2 - 2,000 ppm	Carbon, 1 g, ash, acid digest, extract, AAS finish
GC BUL37V GC_BUL36V	Ag	0.01 - 99.5%	250-500 mg, Fire assay, gravimetric finish

GOLD, PLATINUM, PALLADIUM AND OTHER PRECIOUS METALS

EXPLORATION-GRADE ANALYSIS

GOLD, PLATINUM AND PALLADIUM

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE FAI313* GE_FAI30V5	Au	1 - 10,000 ppb	30 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	1 - 10,000 ppb	
GE FAI515* GE_FAI50V5	Au	1 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	1 - 10,000 ppb	
GE FAM313 GE_FAM30V5	Au	1 - 2,000 ppb	30 g, Fire assay, ICP-MS finish
	Pt	0.5 - 2,000 ppb	
	Pd	0.5 - 2,000 ppb	
GE FAM515 GE_FAM50V5	Au	1 - 2,000 ppb	50 g, Fire assay, ICP-MS finish
	Pt	0.5 - 2,000 ppb	
	Pd	0.5 - 2,000 ppb	
GE FAI323 GE_FAI31V5	Au	5 - 10,000 ppb	30 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	5 - 10,000 ppb	
GE FAI525 GE_FAI51V5	Au	5 - 10,000 ppb	50 g, Fire assay, ICP-AES finish
	Pt	10 - 10,000 ppb	
	Pd	5 - 10,000 ppb	

Note: *GE FAI313/515 methods use new fire assay pots to achieve lower limits.

PLATINUM GROUP ELEMENTS

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GE NAA363 GE_NAA363	Pt	0.02 - 10 ppm	30 g, Fire assay nickel sulphide collection, NAA (neutron activation) finish
	Pd	0.02 - 10 ppm	
	Rh	0.005 - 10 ppm	
	Ru	0.05 - 10 ppm	
	Ir	0.001 - 10 ppm	
	Os	0.01 - 10 ppm	

Note: This method is not available in all SGS laboratories; please contact us for more information.

ORE-GRADE ANALYSIS

GOLD, PLATINUM AND PALLADIUM

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GO FAI303 GO_FAI30V10	Au	0.01 - 100 ppm	30 g, Fire assay, ICP-AES finish
	Pt	0.01 - 100 ppm	
	Pd	0.01 - 100 ppm	
GO FAI505 GO_FAI50V10	Au	0.01 - 100 ppm	50 g, Fire assay, ICP-AES finish
	Pt	0.01 - 100 ppm	
	Pd	0.01 - 100 ppm	

PLATINUM GROUP ELEMENTS

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GO FAM363 and/or GO NAA363 GO_FAM41V10	Pt	0.02 ppm	30 g, Fire assay nickel sulphide collection, ICP-MS or NAA finish
	Pd	0.02 ppm	
	Rh	0.02 ppm	
	Ru	0.05 ppm	
	Ir	0.04 ppm	
	Os	0.05 ppm	

Note: Samples can be analyzed by ICP-MS or sent for neutron activation. This method is not available in all SGS laboratories; please contact us for more information.

CONTROL-GRADE ANALYSIS

GOLD, PLATINUM AND PALLADIUM

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GC FAI34V GC_FAI35V10	Au	0.02 ppm	Variable wt, Fire assay, ICP-AES finish
	Pt	0.02 ppm	
	Pd	0.02 ppm	

PLATINUM GROUP ELEMENTS

CODE	ELEMENT	LIMIT(S)	DESCRIPTION
GC FAM363 and/or GC NAA363 GC_FAM41V10	Pt	0.02 ppm	30 g, Fire assay nickel sulphide collection, ICP-MS or NAA finish
	Pd	0.02 ppm	
	Rh	0.02 ppm	
	Ru	0.05 ppm	
	Ir	0.04 ppm	
	Os	0.05 ppm	

Note: Samples can be analyzed by ICP-MS or sent for neutron activation. This method is not available in all SGS laboratories; please contact us for more information.

EXPLORATION-GRADE ANALYSIS

MULTI-ELEMENT, TRACE ICP-AES AND ICP-MS PACKAGES

A variety of approaches can be used for exploration analysis depending on your needs. In every case, each approach consists of a digestion technique and an instrumentation technique or "finish". Each combination provides a unique suite of elements and specific upper and lower reporting limits.

SAMPLE DECOMPOSITION / DIGESTION

Sample digestion is the most important parameter to consider when choosing an analytical method. There are several types of digestion available, including:

- Aqua regia digestion.
- Multi-acid (two, three or four acid) digestion.
- Sodium peroxide fusion.
- Lithium metaborate fusion.

Rocks to Results also provides more details in Chapter 4.2.

Typically, reconnaissance exploration-grade samples (including regional soil samples) are analyzed by aqua regia digestion followed by a multi-element ICP-AES or ICP-MS scan for base metals, trace and lithological elements.

Drill-core and rock samples are generally analyzed by multi-acid or fusion digestion, with a multi-element finish. Where metal contents are high (or ore-grade), samples can require further testing or other methods to ensure data is precise and accurate enough for regulatory reporting. Refer to the Ore-Grade Analysis section in this guide.

INSTRUMENTATION

ICP-AES and ICP-MS are the most widely used geoanalytical instrumentation techniques because they yield many elements concurrently. These instruments are widely accepted in the mineral exploration industry as rapid and cost-effective means of analysis. Other instruments that can be used are AAS (Atomic Absorption Spectrophotometer) and Hydride AAS.

TWO-ACID / AQUA REGIA DIGESTION PACKAGES

The following packages are based on a two-acid digest (a combination of HNO_3 and HCl). After the digestion, the solution is analyzed by either ICP-AES or ICP-MS or both. We can also analyze these digestions by Hydride AAS to determine the hydride forming elements (Hg, Sb, As, Bi, Se, Te). Two-acid digests are the weakest of the digestions and will not attack silicate minerals. As such, the leach provides partial results for most elements.

The methods listed below with the designation "12" are based on a combination of 2:1 HNO_3 : HCl. This digest is recommended for samples with organic or high sulphide mineral content*.

The methods listed below with the designation "14" are based on a combination of 3:1 HCl : HNO_3. This is an aqua regia digest and is recommended for all samples which contain no organic material and are low in sulphide mineral content.

All elements and limits are identical in the "12" and "14" digests.

NOTE: Requires a minimum sample weight of 0.5g. Detection and upper limits can vary slightly among SGS laboratories because some laboratories may not have access to high purity reagents and consumables and/or they have slight differences in instrumentation. Please talk with your local lab manager to make sure you get the reporting limits you need.

*High sulphide mineral content is defined as over 10%.

TWO ACID / AQUA REGIA DIGESTION / ICP-AES PACKAGE (34 ELEMENTS)

GE ICP12B GE_ICP22B20 or GE ICP14B GE_ICP21B20

ELEMENTS AND LIMIT(S)

Ag	2 - 100 ppm*	Hg	1 - 10000 ppm	Sb	5 - 10000 ppm
Al	0.01 - 15%	K	0.01 - 15%	Sc	0.5 - 10000 ppm
As	3 - 10000 ppm	La	0.5 - 10000 ppm	Sn	10 - 10000 ppm
Ba	5 - 10000 ppm	Li	1 - 10000 ppm	Sr	0.5 - 10000 ppm
Be	0.5 - 2500 ppm	Mg	0.01 - 15%	Ti	0.01 - 15%
Bi	5 - 10000 ppm	Mn	2 - 10000 ppm	V	1 - 10000 ppm
Ca	0.01 - 15%	Mo	1 - 10000 ppm	W	10 - 10000 ppm
Cd	1 - 10000 ppm	Na	0.01 - 15%	Y	0.5 - 10000 ppm
Co	1 - 10000 ppm	Ni	1 - 10000 ppm	Zn	1 - 10000 ppm
Cr	1 - 10000 ppm	P	0.01 - 15%	Zr	0.5 - 10000 ppm
Cu	0.5 - 10000 ppm	Pb	2 - 10000 ppm		
Fe	0.01 - 15%	S	0.01 - 5%		

*Note: The upper limit of 100ppm for Ag is achieved with the GE_ICP14B package only. GE_ICP12B will not fully recover Ag in high concentrations. Refer to the Ag specific methods on page 31.

TWO ACID / AQUA REGIA DIGESTION / ICP-MS PACKAGE (36 ELEMENTS)

GE IMS12B GE_IMS22B20 or GE IMS14B GE_IMS21B20

ELEMENTS AND LIMIT(S)

Ag	0.01 - 10 ppm	Ga	0.1 - 10000 ppm	Sb	0.05 - 10000 ppm
Al	0.01 - 10%	Hg	0.01 - 100 ppm	Sc	0.1 - 10000 ppm
As	1 - 10000 ppm	K	0.01 - 10%	Sn	0.3 - 1000 ppm
Ba	5 - 10000 ppm	La	0.1 - 10000 ppm	Sr	0.5 - 10000 ppm
Bi	0.02 - 10000 ppm	Mg	0.01 - 15%	Th	0.1 - 10000 ppm
Ca	0.01 - 15%	Mn	2 - 10000 ppm	Ti	0.01 - 10%
Cd	0.01 - 10000 ppm	Mo	0.05 - 10000 ppm	Tl	0.02 - 10000 ppm
Ce	0.05 - 1000 ppm	Na	0.01 - 10%	U	0.05 - 10000 ppm
Co	0.1 - 10000 ppm	Ni	0.5 - 10000 ppm	V	1 - 10000 ppm
Cr	1 - 10000 ppm	P	0.01 - 1%	W	0.1 - 10000 ppm
Cu	0.5 - 10000 ppm	Pb	0.2 - 10000 ppm	Y	0.05 - 10000 ppm
Fe	0.01 - 15%	Rb	0.2 - 10000 ppm	Zn	1 - 10000 ppm

TWO ACID / AQUA REGIA DIGESTION / COMBINED ICP-AES AND ICP-MS PACKAGE (51 ELEMENTS)

GE ICM12B or GE ICM14B

ELEMENTS AND LIMIT(S)

Ag	0.01 - 100* ppm	Hg	0.01 - 10000 ppm	Sc	0.1 - 10000 ppm
Al	0.01 - 15%	In	0.02 - 500 ppm	Se	1 - 1000 ppm
As	1 - 10000 ppm	K	0.01 - 15%	Sn	0.3 - 1000 ppm
Ba	5 - 10000 ppm	La	0.1 - 10000 ppm	Sr	0.5 - 10000 ppm
Be	0.1 - 100 ppm	Li	1 - 10000 ppm	Ta	0.05 - 10000 ppm
Bi	0.02 - 10000 ppm	Lu	0.01 - 1000 ppm	Tb	0.02 - 10000 ppm
Ca	0.01 - 15%	Mg	0.01 - 15%	Te	0.05 - 1000 ppm
Cd	0.01 - 10000 ppm	Mn	2 - 10000 ppm	Th	0.1 - 10000 ppm
Ce	0.05 - 1000 ppm	Mo	0.05 - 10000 ppm	Ti	0.01 - 15%
Co	0.1 - 10000 ppm	Na	0.01 - 15%	Tl	0.02 - 10000 ppm
Cr	1 - 10000 ppm	Nb	0.05 - 1000 ppm	U	0.05 - 10000 ppm
Cs	0.05 - 1000 ppm	Ni	0.5 - 10000 ppm	V	1 - 10000 ppm
Cu	0.5 - 10000 ppm	P	0.01 - 15%	W	0.1 - 10000 ppm
Fe	0.01 - 15%	Pb	0.2 - 10000 ppm	Y	0.05 - 10000 ppm

Ga	0.1 - 10000 ppm	Rb	0.2 - 10000 ppm	Yb	0.1 - 100 ppm
Ge	0.1 - 10000 ppm	S	0.01 - 5%	Zn	1 - 10000 ppm
Hf	0.05 - 500 ppm	Sb	0.05 - 10000 ppm	Zr	0.5 - 10000 ppm

*Note: The upper limit of 100ppm for Ag is achieved with the GE_ICP14B package only. GE_ICP12B will not fully recover Ag in high concentrations. Refer to the Ag specific methods on page 31.

TWO ACID / AQUA REGIA DIGESTION / HYDRIDE AAS PACKAGE

GE HAS12B or GE HAS14B GE_HAS21B20

ELEMENTS AND LIMIT(S)

As	0.1 - 500 ppm	Sb	0.1 - 500 ppm	Te	0.1 - 500 ppm
Bi	0.1 - 500 ppm	Se	0.1 - 500 ppm		

AQUA REGIA DIGESTION ICP-MS PACKAGE (49 ELEMENTS)

GE ARM133 GE_ARMV25 (25g) or GE ARM155 GE_ARMV50 (50g)

ELEMENTS AND LIMIT(S)

Ag	0.02 - 100 ppm	Hg	0.02 - 1000 ppm	Se	0.5 - 2500 ppm
As	0.5 - 2000 ppm	Ho	0.01 - 2000 ppm	Sm	0.02 - 1000 ppm
Au	1 - 500 ppb	In	0.005 - 2000 ppm	Sn	0.05 - 1000 ppm
Ba	0.5 - 5000 ppm	La	0.05 - 2000 ppm	Sr	0.1 - 1000 ppm
Be	0.02 - 1000 ppm	Li	0.1 - 2000 ppm	Ta	0.01 - 1000 ppm
Bi	0.01 - 2000 ppm	Lu	0.002 - 1000 ppm	Tb	0.005 - 1000 ppm
Cd	0.01 - 1000 ppm	Mn	0.5 - 5000 ppm	Te	0.02 - 1000 ppm
Ce	0.05 - 2000 ppm	Mo	0.02 - 2000 ppm	Th	0.01 - 1000 ppm
Co	0.1 - 1000 ppm	Nb	0.02 - 2000 ppm	Tl	0.01 - 1000 ppm
Cs	0.01 - 2000 ppm	Nd	0.025 - 2000 ppm	U	0.01 - 1000 ppm
Cu	0.5 - 5000 ppm	Ni	0.5 - 5000 ppm	W	1 - 1000 ppm
Dy	0.01 - 2000 ppm	Pb	0.2 - 1000 ppm	Y	0.02 - 1000 ppm
Er	0.01 - 2000 ppm	Pr	0.01 - 1000 ppm	Yb	0.01 - 1000 ppm
Eu	0.01 - 2000 ppm	Rb	0.05 - 1000 ppm	Zn	1 - 5000 ppm
Ga	0.05 - 1000 ppm	Re	0.001 - 100 ppm	Zr	0.1 - 2000 ppm
Gd	0.01 - 2000 ppm	Sb	0.02 - 1000 ppm		
Hf	0.01 - 2000 ppm	Sc	0.1 - 1000 ppm		

Very low detection limits can be obtained by aqua regia digest and ICP-MS finish. This technique is applicable to exploration work as it yields rapid and accurate data.

Note: GE ARM133 and GE ARM155 are not available in all SGS laboratories. Please inquire.

MULTI-ACID (FOUR ACID) DIGESTION PACKAGES

NITRIC, HYDROFLUORIC, PERCHLORIC AND HYDROCHLORIC ACID DIGEST

Multi-acid (Four acid) digestion is a very effective dissolution procedure for a large number of mineral species and is suitable for a wide range of elements. Multi-acid digestion uses a combination of HNO_3 (nitric acid), HF (hydrofluoric acid), $HClO_4$ (perchloric acid) and HCl (hydrochloric acid). Because hydrofluoric acid dissolves silicate minerals, these digestions are often referred to as "near-total digestions". For more details, see our publication, Rocks to Results, Chapter 4.

NOTE: Requires a minimum sample weight of 0.5g. Detection and upper limit can vary slightly among SGS laboratories because some laboratories may not have access to high purity reagents and consumables and/or they can have slight differences in instrumentation. Please talk with your local lab manager to make sure you get the reporting limits you need.

NOTE: Refractory minerals such as oxides have limited solubility in multi-acid (Four acid) digestions. Often elements can precipitate or volatilize during digestion. These factors can compromise analytical results for Al, Ba, Cr, Hf, Mo, Mn, Nb, Pb, Si, Sn, Ti, Ta, W, Zr, As, Sb, Se and Te in some sample types.

MULTI-ACID (FOUR ACID) DIGESTION / ICP-AES PACKAGE (33 ELEMENTS)

GE ICP40B GE_ICP40Q12

ELEMENTS AND LIMIT(S)

Ag	2 - 100 ppm	Fe	0.01 - 15%	S	0.01 - 5%
Al	0.01 - 15%	K	0.01 - 15%	Sb	5 - 10000 ppm
As	3 - 10000 ppm	La	0.5 - 10000 ppm	Sc	0.5 - 10000 ppm
Ba	1 - 10000 ppm	Li	1 - 10000 ppm	Sn	10 - 10000 ppm
Be	0.5 - 2500 ppm	Mg	0.01 - 15%	Sr	0.5 - 10000 ppm
Bi	5 - 10000 ppm	Mn	2 - 10000 ppm	Ti	0.01 - 15%
Ca	0.01 - 15%	Mo	1 - 10000 ppm	V	2 - 10000 ppm
Cd	1 - 10000 ppm	Na	0.01 - 15%	W	10 - 10000 ppm
Co	1 - 10000 ppm	Ni	1 - 10000 ppm	Y	0.5 - 10000 ppm
Cr	1 - 10000 ppm	P	0.01 - 15%	Zn	1 - 10000 ppm
Cu	0.5 - 10000 ppm	Pb	2 - 10000 ppm	Zr	0.5 - 10000 ppm

Note: Additional elements can be added. Please inquire.

MULTI-ACID (FOUR ACID) DIGESTION / COMBINED ICP-AES AND ICP-MS PACKAGE (49 ELEMENTS)

GE ICM40B

ELEMENTS AND LIMIT(S)

Ag	0.02 - 100 ppm	K	0.01 - 15%	Sn	0.3 - 1000 ppm
Al	0.01 - 15%	La	0.1 - 10000 ppm	Sr	0.5 - 10000 ppm
As	1 - 10000 ppm	Li	1 - 10000 ppm	Ta	0.05 - 10000 ppm
Ba	1 - 10000 ppm	Lu	0.01 - 1000 ppm	Tb	0.05 - 10000 ppm
Be	0.1 - 2500 ppm	Mg	0.01 - 15%	Te	0.05 - 1000 ppm
Bi	0.04 - 10000 ppm	Mn	2 - 10000 ppm	Th	0.2 - 10000 ppm
Ca	0.01 - 15%	Mo	0.05 - 10000 ppm	Ti	0.01 - 15%
Cd	0.02 - 10000 ppm	Na	0.01 - 15%	Tl	0.02 - 10000 ppm
Ce	0.05 - 1000 ppm	Nb	0.1 - 1000 ppm	U	0.05 - 10000 ppm
Cs	1 - 1000 ppm	Ni	0.5 - 10000 ppm	V	2 - 10000 ppm
Co	0.1 - 10000 ppm	P	0.01 - 15%	W	0.1 - 10000 ppm
Cr	1 - 10000 ppm	Pb	0.5 - 10000 ppm	Y	0.1 - 10000 ppm
Cu	0.5 - 10000 ppm	Rb	0.2 - 10000 ppm	Yb	0.1 - 1000 ppm
Fe	0.01 - 15%	S	0.01 - 5%	Zn	1 - 10000 ppm
Ga	0.1 - 500 ppm	Sb	0.05 - 10000 ppm	Zr	0.5 - 10000 ppm
Hf	0.02 - 500 ppm	Sc	0.1 - 1000 ppm		
In	0.02 - 500 ppm	Se	2 - 1000 ppm		

Note: Select packages for rare earth elements can be found on pg 59.

APPENDIX IV

List of Claims

List of claims held by EMX Properties (Canada) Inc. and operated by GoldON Resources		
Tenure ID	**Township**	**Provincial Cell ID**
102571	McDonough	52N04E040
111686	McDonough	52N04K386
111687	McDonough	52N04K384
111688	McDonough	52N04F028
111689	McDonough	52N04F045
114264	McDonough	52N04K374
114265	McDonough	52N04K394
114266	McDonough	52N04F013
114267	McDonough	52N04F011
114737	Bateman/McDonough	52N04K378
117883	McDonough	52N04F061
124438	McDonough	52N04E060
124439	McDonough	52N04E080
147348	McDonough	52N04K372
147349	McDonough	52N04K370
147350	McDonough	52N04K369
147788	McDonough	52N04F027
147789	McDonough	52N04F026
159341	McDonough	52N04K396
159342	McDonough	52N04K395
166059	McDonough	52N04F030
166721	McDonough	52N04K392
177062	McDonough	52N04F047
182352	McDonough	52N04F021
182353	McDonough	52N04F041
184379	McDonough	52N04F048
195912	McDonough	52N04K389
195913	McDonough	52N04F007
195914	McDonough	52N04F025
196919	McDonough	52N04F001
206357	McDonough	52N04F002
206358	McDonough	52N04F044
214446	McDonough	52N04F005
217736	McDonough	52N04F003
217737	McDonough	52N04F023
217738	McDonough	52N04F063
217739	McDonough	52N04F062
224060	McDonough	52N04K376
251141	McDonough	52N04K385
255812	McDonough	52N04F065
259999	McDonough	52N04K377
262625	McDonough	52N04F008
264966	McDonough	52N04F022

APPENDIX V

Daily Log

Daily Log McDonough Project October 2019				
Date	B. Maclachlan days	Activities	C. Robertson days	Activities
20-Sep-2019	1	Soil Sampling	1	Soil Sampling
22-Sep-2019	1	Soil Sampling	1	Soil Sampling
Total Days	2		2	